

# Handbook 2015

## **Authoritative Handbook**

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**Murdoch University**

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# About the University

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## WELCOME TO MURDOCH UNIVERSITY

Murdoch remains one of the most inclusive universities in the country - providing students with a quality education and recognised academic standing within an engaging and supportive environment.

We currently have more than 22,000 students and 2,000 staff working together, exploring new ways of thinking and making discoveries. Courses are offered at campuses in Murdoch and Peel as well as study centres in Singapore and Dubai.

Our students are enrolled in over 200 undergraduate and postgraduate courses across a range of disciplines including Arts, Business, Education, Engineering, Law, Nursing and Science.

Murdoch is also recognised as one of Australia's leading research institutions with over two thirds of our research effort being recognised as at world standard or better by independent assessors in the Australian Research Council Excellence in Research Assessment (ERA). Our researchers engage with significant social and scientific challenges of our time that include climate change, food security and production, infectious diseases, mental health, politics and governance - past and present. Additionally, we have a reputation for excellence in teaching fuelled by our enthusiasm for research, the creation of new knowledge and its dissemination for the benefit of our communities both locally and abroad.

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## OUR LOCATIONS

Our South Street campus is set in a beautiful bush environment and covers more than 227 hectares, making it the largest education campus in Australia. The campus is also home to a fully operational engineering pilot plant, a multi-million dollar media arts centre, drama theatre, chiropractic and psychology clinics, a comprehensive veterinary hospital with Western Australia's only equine operating theatres, a farm and a world-class moot court. The other Western Australian campus is located in the City of Mandurah. Address details, phone numbers and maps are available.

Murdoch University also has International Study Centres in Singapore and Dubai.

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## OUR PURPOSE AND INTENT

Murdoch University will continue to be a comprehensive research-focused university, with high levels of scholarship informing quality teaching. Through demonstration of leadership in innovation and excellence, Murdoch will develop its students to be their best and its staff to achieve their potential, and contribute to a knowledge society where Australia's economic and cultural vitality are central. Achievement of this intent will be sustained by:

Ensuring students can study flexible courses by flexible means in a supportive and engaging learning environment

Developing graduates with skills and attributes which will enable them to participate successfully and effectively in society

Focusing research endeavour into strategic research themes that provide for future strength and emphasis

Enhancing Murdoch's culture of innovation

Continuing to build the quality and reputation of the University.

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## GOVERNANCE

As established by the *Murdoch University Act 1973*, the governing body of the University is the Senate. The Senate has a majority of external members and a total membership of 19. It is chaired by the Chancellor. The role of the Senate is to oversee the development and adoption of strategic initiatives, plans and key policies, and to monitor and review Murdoch's overall performance.

The Vice Chancellor is the chief executive officer and academic principal, and is responsible to the Senate for the University's management.

Academic Council is the senior academic body of the University. It determines academic policy, decides which courses of study will be offered, awards degrees and other qualifications, awards the University Medals, and conducts reviews of the quality of teaching and research within Schools. Membership of the Council is drawn from across the University, and includes elected representatives of academic and professional staff, and students.

The *Murdoch University Act* also provides for the Guild of Students which is 'an organised association for the furthering of the common interests of its members and shall be a recognised means of communicating between its members and the Senate'.

Each School has a Dean who is responsible to the Vice Chancellor, through the Provost, for the academic and managerial leadership of the School.

Each School has a School Board which is responsible for advising the Dean on matters including the School's strategic plans and directions, new academic offerings, teaching and research resources and School policies. The School Board is comprised of the Dean, the Associate Dean (Learning and Teaching), the Associate Dean (Research), the Chairs of the School's subcommittees, and other members including students.

A number of administrative offices support the Schools, including:

- Academic Registrar's Office
- Development and Communications Office
- Finance Office
- Human Resources Office
- Library and Information Services Office
- Property, Development and Commercial Services Office
- Research and Development Office
- University Secretary's Office.

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## OUR SCHOOLS

Murdoch University takes a flexible approach to learning, offering scholarships and multiple admission pathways, plus a range of internal and external study options to help our students fit study around their work and lifestyle commitments. The adaptable undergraduate degree structure means students can broaden their qualifications and their choice of careers.

Murdoch also embraces diversity - students from 90 countries have chosen to further their education at Murdoch University.

The University is organised into nine Schools:

- Arts
- Education
- Engineering and Information Technology
- Health Professions

Law  
Management and Governance  
Psychology and Exercise Science  
Sir Walter Murdoch School of Public Policy and International  
Affairs  
Veterinary and Life Sciences.

The Sir Walter Murdoch School of Public Policy and International Affairs offers students a unique opportunity to develop skills, experience and career opportunities in public policy and international affairs through the delivery of professional Masters coursework programs. This Graduate School builds on Murdoch University's strength in applying world-class research to real world problems and students are taught by leading academics and professional practitioners from around the world. Each degree concludes with a 'capstone' experience that enables students to apply their learning to a practical issue.

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## **OUR VALUES**

Murdoch's values are an intrinsic part of the University culture. These values give a sense of identity and a continuing context for all its activities:

- Equity and Social Justice
- Sustainability
- Global Responsibility
- Scholarly Integrity.

# Officers of the University

## **Visitor**

Her Excellency the Governor of Western Australia

## **Chancellor**

David Flanagan, BSc, MAusIMM, FAICD

## **Deputy Chancellor**

Ross Holt, BEcon(Hons) *W.Aust.*

## **Acting Vice Chancellor**

Professor Andrew Taggart, PhD *Ohio State*

## **Provost**

Professor Ann Capling, BA *York (Can.)*, MA *Calg.*, PhD *Tor.*, FASSA

## **Deputy Vice Chancellor (Research and Development)**

Professor David Morrison, MA *Sheff.*, PhD *Wales*

## **President, Academic Council**

Professor John Pluske, BSc(Agric) *W.Aust.*, PhD *W.Aust.*, RAnNutr

## **Chief Operating Officer**

Darren McKee, BCom *Curtin*

# Support Services

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## ALUMNI ASSOCIATION

All graduates of Murdoch University automatically become members of our growing worldwide alumni family. The Office of Alumni Relations stays in contact with over 65,000 graduates through our six-weekly e-newsletter and a biannual print magazine, *Intouch*.

We host and sponsor a range of alumni events including family fun days, networking evenings, career seminars, reunions and public lectures that are held locally and internationally throughout the year. Our annual Distinguished Alumni Awards program recognises outstanding professional, community service and personal achievements of Murdoch University alumni.

Many Murdoch services can continue to be used following graduation, including career and employment assistance, free on-campus parking, University Library membership and discounts at the University Bookshop and Sports and Recreation Centre.

One of the most important things for alumni to do is to notify the Alumni Relations Office of any email or postal address changes, as all our communications and event invitations rely upon accurate and up-to-date contact details.

Many Murdoch alumni find it rewarding to donate their time and expertise to help current students. The Murdoch e-Mentoring Network LinkedIn group is an online group exclusive to current students and alumni of Murdoch University that helps to make the transition from study to the workplace easier. Go to the e-Mentoring Network page on LinkedIn to join in with open group discussions, or to speak to an alumni e-Mentor one-on-one using private messages.

<http://goto.murdoch.edu.au/e-MentoringNetwork>

To discover how you can link into the Murdoch global network and enjoy continuing involvement with your university, visit Alumni Relations online at:

<http://goto.murdoch.edu.au/Alumni>

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## BOOKSHOP

The Bookshop caters for students, staff and the general community.

The Bookshop is located to the north of the Refectory building on the northern side of South Street campus. It offers an extensive range of products and services beyond just books including University merchandise, giftware, stationery, parking passes, Ben & Jerry's ice cream, Red Bull and much more. Books can also be ordered online via the Bookshop web site.

Access is via South Street (park in car park 3 or 4).

Business hours are 8.30am to 4.30pm, Monday to Friday.

Telephone (08) 9360 2540

Facsimile (08) 9310 7365

For Rockingham campus Bookshop information, see the Bookshop web site.

Peel campus text books are sold from the administration and information reception at Peel campus at the beginning of each semester: see the Bookshop web site for details.

[bookshop@murdoch.edu.au](mailto:bookshop@murdoch.edu.au)

<http://goto.murdoch.edu.au/Bookshop>

<http://www.facebook.com/murdochbookshop>

<http://twitter.com/MurdochBookshop>

<http://instagram.com/murdochuniversity>

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## CAREERS AND EMPLOYMENT

The Careers and Employment Centre assists Murdoch students and alumni to take an active role in their own career development. Located on Bush Court in the Refectory Building, the Careers and Employment Centre's resource library contains a variety of resources for researching potential employment markets as well as information on interview preparation, work experience, graduate and vacation employment and how to write and prepare resumes and selection criteria. Professional Career Advisors are also available to help students and alumni with all career and employment-related queries, as well as presenting a number of job-preparation workshops throughout the year.

The Careers and Employment Centre manages a web-based program *CareerConnect*. All Murdoch University students and alumni are encouraged to register with *CareerConnect* to access up-to-date information on job vacancies, application resources and employment-related events, including an e-mentoring program where students can connect with Murdoch Alumni.

<http://goto.murdoch.edu.au/CareerConnect>

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## CENTRE FOR UNIVERSITY TEACHING AND LEARNING

The Centre for University Teaching and Learning (CUTL) is the name of the teaching and learning support service at Murdoch University.

CUTL provides advice to Murdoch university students and staff about learning and teaching. Working with CUTL can help you to succeed and make the most of your potential by developing the skills to work effectively at university, whether you are an undergraduate student, a postgraduate student or taking one of our enabling programs before joining.

CUTL organises and teaches units to help students at Murdoch acquire the academic literacy, numeracy and study skills that are essential for tertiary study. We work together with academic staff across the university to provide facilities and training for learning and teaching.

CUTL also organises support for students in all courses of study. This includes individual consultations and specialist help for students for whom English is a Second Language (ESL).

Make an appointment by contacting us or visiting reception.

South Street campus: Library, North Wing, Level 4

Telephone: (08) 9360 2142

[S.Learning@murdoch.edu.au](mailto:S.Learning@murdoch.edu.au)

Peel campus: Building 101, Room 1.022

Telephone Phil Arena: (08) 9582 5530

<http://goto.murdoch.edu.au/CUTL>

Elective units offered by CUTL in the first year of an undergraduate degree:

Introduction to University Learning (TLC120) focuses on the culture and expectations of university, the nature of knowledge, and understanding your self as a learner. The unit is based broadly in the Social Sciences and Humanities;

Writing Academic English (TLC121) is designed for ESL students from all areas and explores the reading and writing strategies and

conventions that will enable you to become effective communicators at university;

Rocket Science: Academic Skills for Science Students (TLC123) balances practical and theoretical knowledge to enhance students' scientific report writing skills. The unit is aimed at science students (all Physical and Life Sciences, including Psychology

and in the second year of an undergraduate degree:

From University to Workplace (TLC277) provides a theoretical and practical knowledge to enhance students' career development and their transition to the culture of the workplace.

If you have yet to join Murdoch, you can take one of these free courses:

OnTrack, a 14-week pre-university enabling program that provides an alternative entry pathway into Murdoch University, designed for people who want a positive change in their life or career.

UniLink, a 5-week program that introduces students to university life and learning, open to anyone who is eligible for a CentreLink benefit and interested in exploring the possibilities Murdoch University has to offer. UniLink prepares students for entry into Murdoch University's enabling programs, OnTrack and K-Track (Murdoch University's Indigenous enabling program run through the Kulbardi Aboriginal Centre).

Learning for Tomorrow (TLC110) is an alternative university-entry program for Year 12 students who are not on an ATAR pathway. The unit teaches academic skills and prepares students for university study. There are no up-front fees for this WACE-accredited unit, which is offered at Peel and South Street campuses.

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## CHAPLAINCY

The University provides a Chaplaincy service to both students and staff with guidance and counselling of a spiritual or personal nature being available.

For current contact details, location and worship times, visit:

<http://goto.murdoch.edu.au/Chaplaincy-0>

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## CHILD CARE

The South Street campus has a high quality child care centre and Kindergarten that is used by students, staff and community members. The centre provides care for 48 children, aged six months to five years. The centre is a not-for-profit, community-based service run by a parent management committee. The professional team at Murdoch University Child Care Centre provide play and learning experiences which express the Australian Early Years Learning Framework.

Due to the quality and popularity of the service there is a waiting list in some age groups. Places are available on a full-time or part-time basis from January to December each year. The Centre only takes permanent weekly bookings. Bookings are essential.

Telephone (08) 9360 2610  
murdochchildcare@gmail.com

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## COUNSELLING SERVICE

The University offers a free confidential counselling service to all currently students enrolled at the University. Experienced, postgraduate-qualified counsellors and clinical psychologists are available to assist with personal, relationship and study-related problems.

The Counselling Service provides help in one to one settings and also in safe and friendly group workshops, such as exam anxiety. The Counselling Service is also involved in health promotions such as national mental health week, stress-less day, and nicotine and alcohol-use awareness.

To see a counsellor, please call the Counselling Service or drop in for an appointment. Your first appointment will be a brief 'triage' appointment (usually around 20 minutes) during which the counsellor will discuss your difficulties with you and determine the best course of action. Triage appointments are available between 9.15am and 11.00am each morning, and for an hour from 1.15pm each afternoon; you can book an appointment, or may be seen on the day if appointments are available. You will be given some paperwork to complete while you wait to see a Counsellor.

The Counselling Service is located in south-west corner of Bush Court on the South Street campus, easily identifiable by its sky blue surrounds. For students of Rockingham and Peel campuses, a Counsellor attends each campus for one day a week. Confidentiality is assured.

Telephone (08) 9360 1227  
<http://goto.murdoch.edu.au/CounsellingServices>

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## EQUITY

Murdoch University is committed to equal opportunity and social justice principles, policy and practice through embedding social justice into academic business, maintaining an environment free from discrimination and supporting the diverse needs of students and staff.

### **Equal Opportunity and Social Justice**

The Equal Opportunity and Social Justice area advises the University of its responsibilities and strategic considerations in relation to equal opportunity and social justice and supports the integration of these into the academic learning environment.

Staff requiring information on the University's equal opportunity and social justice initiatives, resources and customised diversity and intercultural awareness training should contact the Manager for Gender Equity, Diversity and Social Justice on:

Telephone (08) 9360 2639

or visit the Equal Opportunity and Social Justice web site:

<http://goto.murdoch.edu.au/EOSJ>

Students requiring information on the University's equal opportunity and social justice initiatives, resources and training should contact the Manager, Equity and Social Inclusion on:

Telephone: (08) 9360 6146

or visit:

<http://goto.murdoch.edu.au/StudentAccessDiversity>

### **Discrimination**

The learning environment supports cultural diversity by providing services responsive to individual needs.

Murdoch rejects inappropriate distinctions on the grounds of race (colour, ethnicity, national origin, nationality or descent), sex, pregnancy, marital status, age, sexual orientation, gender history, family responsibility, family status, political conviction, religious belief, disability or medical condition. The elimination of all forms of direct and indirect discrimination is fully endorsed by the Senate, the Vice Chancellor, and all members of University management. Sexual harassment and racial harassment are prohibited in all aspects of University life.

### **Discrimination (Staff)**

Staff requiring information on the University's equal opportunity policies, procedures for handling equity complaints or other policies pertaining to harassment and discrimination should visit the Human Resources Office web site:

<http://goto.murdoch.edu.au/EqualOpportunity>  
Telephone (08) 9360 7230

If staff experience discrimination or harassment, trained staff advisors are listed on the Human Resources Office web site above.

### **Discrimination (Students)**

If students experience discrimination or harassment, they should contact the Manager, Equity and Social Inclusion:

Telephone (08) 9360 6146  
<http://goto.murdoch.edu.au/EquityComplaints>

Students who have other grievances or appeals should visit the Student Complaints web site:

<http://goto.murdoch.edu.au/StudentComplaints>

### **Students and staff with disabilities**

The University welcomes applications from people with a disability or medical condition and is committed to increasing and enhancing opportunities for access to higher education and graduate employment. Prospective and current students with a disability or medical condition are encouraged to discuss their needs with the University.

Studying successfully at Murdoch requires that all students meet certain inherent requirements. These include compliance with University regulations, rules and policies, meeting the learning outcomes of the enrolled course and its units and participation in learning activities that demonstrate the achievement of learning outcomes. For students with a disability or medical condition, the University recognises that reasonable adjustments may be made to learning activities that enable those students to achieve the same learning outcomes. All prospective students are encouraged to explore any concerns with the Academic Chair or School Dean.

Students can access information and support by contacting the Equity and Social Inclusion Office on:

Telephone (08) 9360 6084  
[equity@murdoch.edu.au](mailto:equity@murdoch.edu.au)

Services and facilities available at the University include accessible parking bays, library assistance, alternative examination and test arrangements, access to specialised study equipment, assistive technology, lecture notes and liaising with staff. Further information about the disability support program is available in different formats on request.

Enquiries concerning employment or support for staff with disabilities should be directed to the Human Resources Office:

Telephone (08) 9360 2430  
[hr\\_recep@murdoch.edu.au](mailto:hr_recep@murdoch.edu.au)

### **Equity and Social Inclusion**

Murdoch University supports a number of programs that ensure access to tertiary study and support for people from educationally disadvantaged backgrounds.

For information on alternative entry pathways see:

<http://goto.murdoch.edu.au/AdmissionPathways>  
Telephone: 1300 MURDOCH (1300 6873624)  
<http://goto.murdoch.edu.au/AskMurdoch>

The Equity and Social Inclusion Office also encourages the recognition of and support for students from all diverse backgrounds to ensure a positive engagement with university life.

<http://goto.murdoch.edu.au/EquitySocialInclusion>  
South Street campus: Economics, Commerce and Law Building,  
Room ECL1.009; easy access parking (ACROD) is at the top of  
Car Park 7.

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## **GUILD OF STUDENTS**

Established in 1976 by students, for students, The Guild is an advocacy, support and service organisation, run independently from the University.

The Guild is governed by a democratically elected student council and provides student representation across major University academic and governance committees. The Guild represents the student voice and works to ensure students are the first consideration in University decision-making.

The Guild also provides a range of education and welfare support services through the Student Assist Office including advice on academic appeals, Food Bank access, legal referrals, tax help, tenancy services, tutoring and support with Centrelink issues. Additionally through the Student Assist web site the Guild runs an employment and accommodation registry and a book subsidy scheme, providing students in need with the funds to cover their textbooks each semester.

While student advocacy and welfare is the Guild's core role, it also exists to make university life more fun: uni should not just be about studying or pulling hair out around exam time! By running numerous events throughout the year, the Guild ensures that there is always something to look forward to on campus.

Some of the Guild's annual events include Orientation Festival, the Guild Ball and Stamp Out Stress. The Guild also supports over 100 different Guild-registered clubs, societies and collectives through the provision of grants and assistance from the Guild's Student Projects Office. For aspiring writers, the student magazine *Metior* is a great way to get published and build a portfolio.

Joining the Guild is free for students and entitles members to representation, advocacy and a range of discounts and special offers both on- and off-campus. Students who would like to join the Guild, or become more involved in any of the Guild activities, clubs and societies at Murdoch, should check out the web site.

<http://goto.murdoch.edu.au/Guild>

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## **INDIGENOUS STUDENT SUPPORT**

### **Kulbardi Aboriginal Centre**

'Kulbardi: Wings to Fly'

*Yorl koorliny Kulbardi mia mia. Nidja noonookurt nyinniny kadadjinny kooee wallak.*

Translated from the Noongar language, this means "Come here to the Kulbardi Aboriginal Centre. This is where you sit, learn, laugh and share". These words are symbolically associated with the Kulbardi Aboriginal Centre and are intrinsic to its history.

Established in 1988, the Aboriginal Education Unit transformed to the Kulbardi Aboriginal Centre in 1996, having been renamed by the late Munyari (Elder Ralph Winmar), who gave his respected counsel for the name that means *magpie* in the Noongar language.

Kulbardi is located on the grounds of Murdoch University's South Street campus, and has offices and study facilities on the Rockingham and Peel campuses. More than just student support and courses of study, Kulbardi offers:

Indigenous pathways into undergraduate studies for Aboriginal people, which take a holistic approach to ensure student wellbeing, inter-cultural and academic development and support negotiating the cultural interface

Scholarly Indigenous and Indigenist research and dissemination through our research centre

Transformative and intercultural learning experiences

Community development and cultural programs that respond to the issues and aspirations of Aboriginal and Torres Strait Islander people.

One of Kulbardi's main objectives is to encourage increased participation in tertiary education by Indigenous students. Kulbardi provides educational pathways into both pre-tertiary and undergraduate studies. Kulbardi is one of two non-academic organisational units (AOU) in the University to offer courses of study to students. In 2009, the Bachelor of Arts in Australian Indigenous Studies (AIS) was relocated to Kulbardi. This has expanded Kulbardi's range of academic offerings and its student and staff profiles.

Kulbardi's objectives are strongly supported by the facilities and staff at Kulbardi that encourage student interaction, camaraderie and cultural support -- all critical elements to facilitate tertiary study aspirations of students.

### **Tutorial Assistance**

The Indigenous Tutorial Assistance Scheme (ITAS) is a tutorial assistance program funded by the Australian Federal Government under the National Aboriginal and Torres Strait Islander Education Policy. Tutorial assistance is available to all Aboriginal or Torres Strait Islander students who are studying at Murdoch University. For further information please contact Kulbardi.

### **Indigenous Student Representation**

Indigenous students at Murdoch University are represented by the Murdoch Guild's Indigenous representative. This person is responsible for the facilitation of contact between students and support services, and for coordinating the activities of the Indigenous Collective that aims to enhance the student experience at Murdoch University.

### **Indigenous Commonwealth Scholarships**

The Indigenous Commonwealth Scholarship program is an Australian Federal Government initiative that aims to provide assistance to Indigenous Australians who would like to access higher education, particularly those who need to relocate from rural and remote areas to access an approved higher education undergraduate or enabling course. There are several types of Indigenous Commonwealth Scholarship available with different eligibility criteria. For further information see:

<http://goto.murdoch.edu.au/ScholarshipsCommonwealth>

### **Pathways into University**

Kulbardi is committed to providing Indigenous students with the opportunity to access higher education. K-Track, our enabling course, prepares prospective undergraduate students for university learning. The course may be commenced in February or July of each year and is available internally at the Murdoch campus as well as externally (online). The course may be taken one semester or two, depending on student readiness. K-Track enables entry into all undergraduate fields except Veterinary Studies, Law and Chiropractic. However, the University does provide alternative pathways into these courses.

### **Contact**

Advice about applying for alternative entry can be provided by the Kulbardi Student Support Coordinator.

Telephone (08) 9360 2128

[kulbardi@murdoch.edu.au](mailto:kulbardi@murdoch.edu.au)

<http://goto.murdoch.edu.au/Kulbardi>

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## **INFORMATION TECHNOLOGY AT MURDOCH**

IT services at Murdoch University are delivered and supported by the Library and Information Services office. The IT Client Services team is a one stop service point, providing IT services and support to Murdoch staff and students across all campuses. The IT Client Services team operates a walk-in Service Desk on Level 3, North Wing of the South Street campus Library. Services and support can also be accessed via telephone, email, live chat and online service resources.

Details about current IT incidents or issues affecting staff and student services are posted in relevant student and staff information portals. For instant alerts about incidents that may affect you, follow the IT Client Services Twitter account [Murdoch ITS](#). More information including knowledge base articles and self-help resources can be found at

<http://goto.murdoch.edu.au/ITServiceDesk>

The IT Client Services team is available 8.00am to 11.00pm Monday to Friday and 10.00am to 5.00pm Saturday and Sunday.

Telephone: (+61) 8 9360 2000

[itservicedesk@murdoch.edu.au](mailto:itservicedesk@murdoch.edu.au)

<http://goto.murdoch.edu.au/ITServiceDesk>

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## **INTERNATIONAL STUDENT SUPPORT**

Murdoch University is a Registered Provider of Education Services and Training as stipulated under the Commonwealth Education Services for Overseas Students (ESOS) Act 2000 (as amended in 2007) and the Western Australian State Education Service Providers (Full Fee Overseas Students) Registration (ESPRA) Act 1991. The University's Institutions and Courses for Overseas Students (CRICOS) Provider Code is 00125J.

Full details of the ESOS Act and the National Code of Practice can be found at

<https://aei.gov.au/Regulatory-Information/Education-Services-for-Overseas-Students-ESOS-Legislative-Framework/ESOS-Regulation/s/Pages/default.aspx>

Details of the ESPRA Act, including details of the State Government Conciliator, can be obtained from the Student Centre.

### **Use of Personal Information**

Information provided by students to the University may be made available to Commonwealth and State agencies pursuant to obligations under the ESOS Act 2000 and the related National Code of Practice for Registration Authorities and Providers of Education and Training to Overseas Students 2007.

### **Contact Details**

All international students are required to keep Murdoch University informed of their current Australian residential address. This must be done within seven days of arrival in Australia and within seven days of any subsequent change of address. Any changes to contact details should be updated via MyInfo.

Keeping the University informed of current contact details fulfils the obligation to update the Department of Immigration and Border

Protection condition 8533 of a Student Visa; failure to do this is a breach of the visa conditions.

Only a student's Home address should be recorded as the Residential Address, not a Post Office Box address. Students are also required to provide and maintain their emergency contact details in MyInfo. To update contact details, access MyInfo via:

<https://goto.murdoch.edu.au/MyInfo>

## **Changes to Approved Study Programs**

### **Completing studies within the timeframe of student visa**

International students are obliged, under the terms of their Student Visa, to maintain a study load that will see them complete within the duration specified on the visa. It is expected that a student will maintain a full-time study load (12 credit points per semester). However, students are able to reduce their study load in certain conditions approved by staff in The Student Centre. Students intending to amend their study program by changing unit selections or withdrawing from units, decreasing the number of units being studied or changing a unit's mode of study from internal to external must contact The Student Centre for approval, prior to making any changes. Information and advice will be provided that will ensure the integrity of the Student Visa and the study program.

#### **Course Transfer**

If an international student wishes to change their course of study they must submit a Course Transfer form. See:

<http://goto.murdoch.edu.au/StudentForms>

After a decision has been made, the student will be notified in writing. Changing the course of study may have an impact upon the student's visa, and students may be required to apply for a new visa if the duration of study has been extended. If an international student is given permission to change their course of study they must contact The Student Centre for advice regarding any change to student visa requirements.

#### **Approved Leave (intermission of enrolment; deferral or suspension of studies)**

If an international student wishes a break in their studies they can do so under Murdoch University regulations (carefully read 'Approved Leave' in the Study at Murdoch section of this Handbook). However, the Department of Immigration and Border Protection does not permit international students to defer for more than six months, and then only on medical grounds. The Department of Immigration and Border Protection also expects students on approved leave to return to their home country for that period, although exceptions can be made to this requirement in exceptional cases. International students who want a break in their studies should contact The Student Centre for advice regarding the implications on their student visa.

#### **Withdrawal of Enrolment**

If an international student wishes to withdraw from the University, they can do so by completing and submitting a 'Complete Withdrawal from Course' form. Before submitting the form they must contact The Student Centre to discuss the implications of the withdrawal on their student visa. The form can be obtained from:

<http://goto.murdoch.edu.au/StudentForms>

#### **Transferring to another Educational Provider**

The National Code of Practice (2007) does not allow international students to transfer educational providers within the first six months of their course of study. Students wishing to do so must submit a request in writing to The Student Centre for a Letter of Release. If the request is granted, a Letter of Release will be provided. If the

request is denied, students have the right to appeal in writing.

Students who have already been enrolled at the University for more than six months need to:

1. Seek advice from The Student Centre prior to withdrawing
2. Upon approval, Students need to withdraw from all units via MyInfo
3. Fill out a 'Complete Withdrawal from Course' form
4. Submit the completed form to The Student Centre.

The form can be obtained from:

<http://goto.murdoch.edu.au/StudentForms>

## **Academic Progress**

The University is required to monitor the academic progress of each international student at the end of each study period. This is undertaken as part of the Board of Examiners where all students are assessed against relevant academic progress rules. Students who have failed to meet satisfactory course progress are notified.

If a student is to be suspended or subsequently excluded from their course or from the University, there are significant implications for the student's visa. The University is required to report the student to the Department of Immigration and Border Protection for failure to meet satisfactory academic performance; this may result in the student visa being deferred or cancelled. Students to be excluded from the University will be notified in writing and will have 20 working days in which to lodge an appeal before the suspension or exclusion is put into effect or a report made to the Department. While the relevant internal or external appeal process is undertaken the enrolment is maintained. If no appeal is submitted or all appeals have been unsuccessful, the University is required to report the unsatisfactory academic progress to the Department.

International students concerned about their academic progress or interested in further information and advice on this monitoring and reporting process are advised to contact The Student Centre. Murdoch University also has an intervention strategy that international students can access if they are failing units and want support. This is recommended for all students on probation status. Under this strategy international students can discuss their study performance and plans with any of a number of support staff, and agree to a tailored study plan. Further details can be obtained from The Student Centre.

## **Appealing to an External Agency**

International students studying at Murdoch University on a student visa have the right to access an external agency for appeals if they are not satisfied that the University's internal complaint and appeal process has been conducted fairly. The primary body is the Western Australia Ombudsman. The Ombudsman is independent and external to the University and does not charge any fee for the service.

Normally, the Ombudsman will only consider whether the University has followed its own policies and procedures and whether the handling of a case has been fair and reasonable. The Ombudsman does not make a new decision to replace the decision made by the University (for example, as to what the academic result for a unit should be). However, as a result of an investigation, the Ombudsman may recommend that the University reconsider the case.

All complaints to the Ombudsman need to be made in writing, but initial enquiries about making a complaint may be made by telephone; ask to speak to an Enquiry Officer.

Contact details for the Ombudsman are:

Ombudsman Western Australia  
PO Box Z5386 St Georges Terrace PERTH WA 6831  
Telephone (08) 9220 7555, or free call 1800 117000 (outside



the metropolitan area)  
 Facsimile (08) 9325 1107  
 mail@ombudsman.wa.gov.au  
 http://www.ombudsman.wa.gov.au

International students can also discuss any grievance, or seek advice, from the Western Australian Conciliator for International Students. This is also a free service provided through the Western Australian State Government. More information can be found at:

<http://goto.murdoch.edu.au/InternationalStudents>

### **Extension of Student Visa**

International students may need to extend their student visa for a variety of reasons. It is important to remember that the Department of Immigration and Border Protection typically expects students to complete their studies within the timeframe of their student visa. However, extensions are possible in many circumstances. Once a student realises that they will not be able to complete their studies within the time allowed on their student visa, they should contact The Student Centre to discuss the effects this may have on their current student visa, or on the extension of their student visa in the future.

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## **LIBRARY**

The Murdoch University Library provides students with a friendly, engaging and professional service to support their learning and research objectives, and to equip them with the skills to negotiate today's information maze and engage in a lifetime of learning.

The Library supports learning and research by providing focused collections, training and assistance in the use of information resources, information services, and an environment conducive to work and study.

Our libraries offer a large number of computers as well as wireless Internet access. Printing, copying and scanning facilities are available, and there are group study rooms and carrels for private study. An Equity Resource Room provides access to a range of equipment and furniture for students with disabilities. A wide range of printed and electronic resources are available within the Library and online.

For help finding information, use the online 'Ask a Librarian' service: also, our friendly, expert staff will answer questions and provide professional guidance in person, by email, or via live chat.

Murdoch University Library has reciprocal borrowing agreements with many other Australian and New Zealand university libraries.

<http://goto.murdoch.edu.au/Library>

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## **LIBRARY LEARNING COMMON**

The Murdoch University Learning Common at South Street and Peel Campuses is a uniquely-designed learning facility that brings together key services and resources in support of student learning. Veterinary Sciences students also have a Learning Common which is open 24 hours 7 days a week.

The Learning Common provides access to computers, many of which are available 24 hours a day, 7 days a week. The Learning Common is also a wireless hotspot; study benches and tables with power are available so students can use personal devices.

The Learning Common experience at South Street is enhanced with refreshments available from Cafe Kadjiny and the Sir Walter's Cafe.

<http://goto.murdoch.edu.au/LearningCommon>

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## **MEDICAL SERVICE**

The University is committed to supporting students to live healthy lives.

At the South Street campus, the University nurses provide a walk-in health service to students, offering advice and direction for a range of health concerns.

Visiting medical doctors attend at the Health and Counselling Centre most weekdays and may be seen by appointment. Students who have a Medicare card can access one of the sessional medical doctors on a bulk-billed basis. International students are able to receive a rebate from their private healthcare provider.

During semester breaks staff may seek one-off appointments to see one of the visiting doctors on a 'fee for service' basis. These visiting doctors are not able to function as a staff member's general practitioner. Staff are able to see the University nurses throughout the year as part of the walk-in service.

The Medical Service coordinates a number of health awareness and improvement programs including quit-smoking, sexual health advice, healthy-eating, vaccination and mental health awareness. First aid assistance is provided by trained first-aiders, and is available on all of the University's campuses. At Peel and Rockingham campuses, information on local doctors' clinics in the vicinity of each campus is available at Student Services offices.

Telephone (08) 9360 2293

<http://goto.murdoch.edu.au/HealthServices>

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## **OCCUPATIONAL SAFETY AND HEALTH**

Murdoch has a safety and health management system in place for the management of Occupational Safety and Health. Integral to this is a commitment to provide a safe working environment to all members of the University community as outlined in the OSH Policy Statement.

As part of the hazard management system, a hazard and incident reporting system is on the OSH web site.

The University is committed to ensuring that its students, staff, contractors and visitors are not exposed to tobacco smoke in its buildings and vehicles, and a total smoking ban is in place at all Murdoch University. The prohibition includes but is not limited to all University-controlled buildings, all open areas of each campus, all University vehicles and boats, and other areas designated as no smoking areas by signage. Penalties will apply for breaching this policy.

Professional advice, support and services are available in occupational safety and health, OSH risk management, auditing to Australian Standards 4801:2001 [OHSMS], Worksafe Assessment standards and ISO 9001:2000 Quality Standard.

<http://goto.murdoch.edu.au/OSH>

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## **STUDENT ACCOMMODATION**

Murdoch University offers on-campus accommodation at Murdoch University Village. Accommodation at the Village fills quickly and the University recommends that applications be submitted as soon as possible. Applications should be submitted online through the web site below.

Off-campus housing is available through an Off-Campus Housing Referral Service.

## **Murdoch University Village**

Murdoch University Village is located in lush native bushland surrounds on the western end of the South Street campus. The Village offers a diverse range of one- to eight-bedroom apartments for over 800 students, including a choice of modern one-, two- and five-bedroom apartments opened in 2009. All apartments are fully furnished and self catered, featuring kitchens, lounge areas, bathrooms and bedrooms (with the option of ensuite, single, double and twin share). Residents are required to provide their own bed linen and crockery (these can also be purchased from the Village prior to arrival). A range of accessible accommodation options for students with disabilities is also available.

Student life is an integral part of the Murdoch University Village experience. On-site facilities have been designed to enhance the student lifestyle and include a swimming pool, e-library, recreation room, student lounge, television room, study centre and beach volleyball and basketball courts.

An extensive event program offers activities to support social, academic and personal development, from movie nights to study groups and cooking classes. If residents need help, a friendly Resident Assistant team is available to provide support, help students settle into the community and adjust to life in Australia. Resident Assistants, staff and/or security are on site 24 hours a day.

Visit the web site below for more information or to apply online.

Murdoch University Village  
PO Box 1055  
Canning Vale WA 6970  
Telephone (08) 9360 2909  
Facsimile (08) 9360 2977  
info@murdochuv.com.au  
<http://www.murdochuv.com.au>

### **Off-Campus Housing**

The Off-Campus Housing Referral Service provides assistance to students through referral to a list of private accommodation providers. Accommodation arrangements vary from home stay with provision of meals, through to sharing a house or apartment.

Students should ensure they have temporary accommodation arranged if they intend to source more permanent accommodation after arrival. The Murdoch University Village web site includes links to other sites where private rental and share accommodation are advertised.

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## **TRANSPORT AND PARKING**

Interactive maps for each Murdoch campus include locations for bus stops, parking and end-of-trip facilities:

<http://goto.murdoch.edu.au/Map>

### **Public Transport**

The South Street campus is easy to get to on public transport. Murdoch train station is just 700 metres east of campus and many Transperth buses run straight from the Murdoch train station to the campus.

The Circle Route (98 and 99) connects major university campuses via Fremantle. It passes in each direction along Discovery Way, the centre of South Street campus, approximately every 15 minutes on weekdays.

Bus connections link Peel campus with the Mandurah train station.

Travel Smart maps, train and bus timetables are available from the Student Centres on all campuses, or see Transperth's online Journey Planner for up to date bus routes and timetables to all Murdoch University campuses.

<http://www.transperth.wa.gov.au>

Also see all timetables relevant to Murdoch campuses:

<http://www.transperth.wa.gov.au/Timetables/Uni-TAFE-Services/Murdoch-University>

### **Concession Smartrider Card**

All full-time university students are eligible for a concession Smartrider card. This card allows the user to travel on all public transport services (buses, trains and ferries) in the metropolitan area at a discounted price.

Full-time students are also eligible for discounted public transport travel with a cash ticket (purchased from the bus driver or at the train station). In order to pay the student concessional fare, the student's Smartrider must be registered on MyInfo. If a student does not have a registered tertiary Smartrider card, they are not eligible for concession travel.

You can buy and top up your Smartrider card at the Guild Shop at South Street campus or from the Student Centre at a regional campus.

If you are travelling on a cash ticket, make sure you have your student identification card with you. If you pay a concession fare without a Tertiary Smartrider you face an on the spot fine.

### **Cycling**

Cycling is a great way to get to Murdoch's campuses!

Free bike racks are located near all buildings.

Showers are available in many buildings: check the online campus map for one closest to your favourite bike rack.

South Street campus has three secure, covered bike compounds. A free PIN code from The Student Centre allows access (bring your own lock).

Personal Bike Lockers are also available to hire: keep your wheels secure and out of the elements, plus have a place to hang your gear. Contact The Student Centre for costs and availability.

### **Parking**

Staff, students and commercial tenants wishing to park a vehicle (other than a motorcycle) on the South Street campus must purchase and display a University parking permit through The Student Centre or online from:

Staff: <http://goto.murdoch.edu.au/ParkingPermits>

Students: <http://goto.murdoch.edu.au/GettingYourParkingPermit>

Staff working and students (enrolled 50 percent or more) at Peel and Rockingham campuses are entitled to a free Green parking permit. These permits can be obtained from The Student Centre at the relevant campus on production of proof of employment/enrolment.

Murdoch University Village residents, staff and visitors with a vehicle are required to obtain and display a relevant permit.

Coupons valid for single-day parking are available from The Student Centre.

Visitors' pay-and-display parking is available at various locations at the South Street campus.

Speed detection and traffic management activities are used for the safety of University patrons.

Infringements are issued for breach of University Parking and Traffic By-Laws.

### **ACROD and Easy Access Bay Temporary Parking**

Holders of an ACROD sticker do not need to apply for a parking permit. Staff, students and visitors need to display a valid ACROD sticker when parking in the nominated blue Easy Access bays.

A student or staff member with a disability or medical condition may apply at the Equity and Social Inclusion Office for temporary parking in an Easy Access bay. Supporting documentation is required.

Easy Access Bays are located in all car parks 1, 2, 3, 4, 5, 6, 7, 8, 9 on South Street campus, close to buildings. They may *only* be used by staff, students, commercial/tenant staff and visitors with ACROD permits and staff and students with Murdoch Blue Temporary Easy Access (Accessible) parking permits. These bays are not to be used as a pick up/drop off service.

<http://goto.murdoch.edu.au/Parking>

# Study at Murdoch: a General Guide

This is a summary description for general guidance. Further guidance is included in subsections below, specifically relevant to bachelor studies, honours studies, and graduate coursework and research studies.

It is important that students also read the legislation relevant to their studies so that they are familiar with all of the requirements. For guidance refer to the University Regulation section of this Handbook.

Further information on all of these topics can be obtained from The Student Centre.

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## INTERNET ACCESS REQUIREMENTS

Murdoch units normally include an online component comprising materials, discussions, lecture recordings and assessment activities. All students, regardless of their location or mode of study, need to have access to and be able to use computing devices with browsing capability and a connection to the Internet via Broadband (Cable, ADSL or Mobile) or Wireless. The Internet connection should be readily available and allow large amounts of data to be streamed or downloaded (approximately 100MB per lecture recording). Students also need to be able to enter into online discussions and submit assignments online.

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## ADMISSION REQUIREMENTS

Applicants for admission are asked to provide evidence of their suitability to undertake a university education. In many cases this evidence will be based on previous performance at secondary or post-secondary level (for undergraduate studies). However, for those courses into which admission is competitive, there may be additional criteria and there may be limits on the number of places available.

As requirements for admission to graduate-level studies can vary greatly, applicants are advised to refer to the Graduate Courses section of this Handbook. The application process gives an applicant the opportunity to demonstrate suitability and to make the best possible case for admission.

Applicants are required to keep original or certified copies of all documents submitted in their application. These may be required at a later date.

All applicants need to prove their competency in English language:

<http://goto.murdoch.edu.au/EnglishRequirements>

More specific details on application processes can be found below.

### Mid-Year Admission

Murdoch University's largest intake of students occurs at the beginning of each year. However, many courses are also available for mid-year admission; these students commence their courses at the beginning of Semester 2.

Note that not all units are available in each semester. Mid-year admission may result in an extension to the recommended minimum duration of the course, based on unit availability.

### Domestic Applicants

Domestic applicants are applicants who are Australian citizens, permanent residents of Australia, or New Zealand citizens who are eligible for admission to a Commonwealth-Supported place. All other applicants should refer to International Applicants below.

All Domestic applicants for mid-year entry should apply online directly to Murdoch University at

<http://goto.murdoch.edu.au/OnlineApplicationSystem>

Further enquiries should be directed to The Student Centre.

### International Applicants

Guidance for international applicants is included in the subsections below, specifically relevant to Bachelor Studies, Honours Studies and Graduate Studies.

Further enquiries should be directed to Murdoch's International Enquiries email address:

[international@murdoch.edu.au](mailto:international@murdoch.edu.au)

### Special Requirements

A number of courses have special requirements, for example a National Criminal History Record Check or Working with Children Check. For details of such requirements, refer to the Courses section of this Handbook.

### Special Requirements for Admission to Teacher Education Courses

The Western Australian Department of Education and the Teacher Registration Board of Western Australia (TRBWA) have the right to determine 'fit and proper persons' to enter and practice in schools in Western Australia. For the protection of students, education authorities have the legal right to exclude people from school premises. This power will be exercised in cases of serious or frequent criminal conviction, and may also be exercised in cases where children are thought to be at risk for any reason.

Therefore, all applicants offered a place in teacher education courses must obtain a National Criminal History Record Check through the WA Department of Education. Although a criminal record does not necessarily preclude an applicant from employment as a teacher, the WA Department of Education has advised that convictions:

- of a violent or sexual nature; or
- where the victim was under 18 years of age; or
- for dealing in or trafficking illegal drugs

will almost certainly rule out the possibility of teaching in a school, regardless of when the offence(s) occurred.

Information about obtaining a National Criminal History Record Check will be sent by Murdoch University to all applicants offered a place in Education courses that require a current criminal history clearance for placement in the practicum component of the course. The University will require a successful applicant's satisfactory mandatory check prior to the student commencing their first placement. There will be a cost to the student in obtaining the mandatory checks.

In particular, full-time Graduate Diploma or Bachelor of Education (Graduate) students should note that their placement in a school occurs in late January, and so they should apply for their Check immediately on receipt of an offer from the University. Applicants who wish to obtain an application form in advance of being made an offer may do so by contacting the University or the WA Department of Education.

Applicants should note that if they apply for a Check and do in fact have a conviction relating to offences such as those above, the WA Department of Education will place this information on a database and make it available to other authorities.

For further details about this requirement, on a confidential basis, applicants can contact the WA Department of Education:

Telephone (08) 9264 4391

In addition to a criminal record check, everyone applying to teach must have a Working with Children Check as part of the legislative requirements of the Working with Children (Criminal Record Checking) Act 2004. Application forms can be obtained from WA Post Offices or the School of Education Professional Experience Office (Room 2.002, Level 2, Education and Humanities Building).

Information on the Working with Children Check process is available at:

<http://goto.murdoch.edu.au/WorkingWithChildrenClearance>

Further information on the Working with Children Act and Working with Children Checks is available at:

<http://goto.murdoch.edu.au/WorkingWithChildrenCheck>

or by emailing

[screening@det.wa.edu.au](mailto:screening@det.wa.edu.au)

### **Advanced Standing**

As part of the admissions process the University will consider applicants for Advanced Standing in accordance with relevant legislation. Advanced standing may be granted for previous studies at tertiary level and at post-secondary level equivalent to a completed Australian Qualifications Framework Diploma or higher qualification.

'Credit' refers to a reduction in the credit points required to complete a Murdoch course on the basis of Advanced Standing. It usually shortens the time required to complete the course.

An 'Exemption' removes the requirement for a particular unit to be taken; it recognises that a student has completed learning/study elsewhere that substantially duplicates the content of a Murdoch unit which is a requirement of their Murdoch course.

For further information on Advanced Standing, refer to:

<http://goto.murdoch.edu.au/AdvancedStanding>

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## **THE CREDIT POINTS SYSTEM**

Study at Murdoch is based on a system of credit points that are completed towards the requirements of the course. Units, generally, have a value of 3 or 4 credit points. The guideline adopted by the University in determining the number of credit points represented by each unit is that the full-time student load in a standard semester is 12 credit points. One credit point reflects an average student workload of 50 hours. Thus a unit with a value of 3 credit points should engage roughly a quarter of a full-time student's available time and effort. This is an inclusive estimate, including all lectures, tutorials and/or laboratory classes, personal reading, and assignments required for the unit.

### **Full-time and Part-time Study**

A full-time student normally enrolls for 12 credit points in each semester, or 24 credit points in each academic year. Domestic students must be enrolled in at least 9 credit points in a semester to be regarded as full-time (by external agencies such as Centrelink); those whose enrolment is below 9 credit points at any stage in the semester may no longer be eligible for Centrelink support. For Centrelink purposes units are nominally either in Semester 1, which includes all units with a census date between 1 January and 30 June, or in Semester 2, which includes all units with census dates between 1 July and 31 December. The only exceptions are full-year (Semester 1 followed by Semester 2) and straddle (Semester 2 followed by Semester 1) units, which are split equally between the two semesters. Students in receipt of Centrelink support should

check with Centrelink direct if they have concerns regarding eligibility for support, as the rules governing eligibility can change.

Students may enrol on a part-time basis. Be aware that units involving laboratory sessions may not be available outside normal working hours. Students who foresee difficulty in attending units during normal working hours should consult the teaching timetable in planning their unit enrolment.

### **International Students Undertaking a Full Degree**

International students undertaking a full degree at Murdoch University must be enrolled in at least 12 credit points in a semester to be regarded as full-time. International students whose enrolment is below 12 credit points must contact The Student Centre, as they may not be satisfying the conditions prescribed for a student visa.

### **International Students Undertaking Study Abroad and Exchange**

International students who are undertaking study at Murdoch University as not-for-award students (Study Abroad and Exchange students) and who intend to transfer academic credit back to their home university must be enrolled in a minimum of 9 credit points and a maximum of 12 credit points in a semester to be regarded as full-time. Students taking more than 12 credit points must contact The Student Centre, as further fees will apply.

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## **COURSES**

A Course is a coherent combination of units approved by Academic Council that leads to a particular Award. Students must complete the requirements of the course and the requirements of the major in an undergraduate degree.

### **Australian Qualifications Framework**

The Australian Qualifications Framework (AQF) is Australia's national policy for regulated qualifications delivered in all education sectors. Murdoch University offers qualifications at AQF Levels 7 to 10.

### **Academic Chairs**

An Academic Chair is a member of academic staff responsible for a course, major or minor. A student taking multiple courses/majors/minors may have to liaise with several Academic Chairs.

The Academic Chair is able to counsel students in any matter relating to the course, major or minor and their enrolment in it, including unit selections, academic progress and the possible consequences of taking Approved Leave.

### **Enrolment**

It is students' responsibility to enrol in accordance with the relevant regulations, requirements of their course/major and official deadlines.

Studying successfully at Murdoch requires that all students meet certain inherent requirements. These include compliance with University regulations, rules and policies, meeting the learning outcomes of the enrolled course and its units and participation in learning activities that demonstrate the achievement of learning outcomes. For students with a disability or medical condition, the University recognises that reasonable adjustments may be made to learning activities that enable those students to achieve the same learning outcomes. (Please also see the information on Students and Staff with Disabilities).

Students for whom the inherent requirements may pose a challenge are strongly advised to discuss this with the Disability Liaison Officer before enrolling or deciding not to enrol. The Disability Liaison

Officer will be able to discuss the requirements and possible adjustments.

Disability Liaison Officer [equity@murdoch.edu.au](mailto:equity@murdoch.edu.au)  
<http://our.murdoch.edu.au/Student-life/Rights-and-responsibilities/Get-help-or-advice/>

## Enrolment of New Students

Successful applicants for admission to Murdoch University will receive an offer letter that includes all the information needed to accept the offer online. Enrolment information is emailed to students upon acceptance and includes advice on how to complete an enrolment.

Applicants who are not immediately offered admission will be advised and invited to The Student Centre to discuss ways in which they may be admitted in the future.

### *Orientation Week and Enrolment Assistance Sessions*

Orientation Week (O Week) is held in the week before the beginning of Semester and is an important part of a successful university life. The week is designed to assist students to prepare for their studies, as well as to introduce them to the sporting, cultural and social activities at Murdoch University.

A series of lectures and workshops cover topics such as First Year Experience, Computer Usage on Campus, Learning Skills, Student Services and Supports, Planning Your Career, and Campus and Library tours. There is also a general advice session for external students.

Course and academic advice sessions are offered to all new undergraduate and graduate coursework students during Orientation Week. Students are encouraged to attend the School Welcome and Course Advice Session relevant to their intended course of study. If students are studying more than one degree it is highly recommended that they attend both course advice sessions. It is an opportunity to meet the academic staff in the course, and to hear about the enrolment options available at Murdoch.

School Welcome Orientation sessions are offered to all new undergraduate and graduate coursework students. Students are encouraged to attend the School Welcome Orientation Session relevant to their intended major. If students are studying more than one major or a combined course it is highly recommended that they attend sessions for each. It is an opportunity to meet academic staff, ask specific questions about courses, majors and minors, and discuss unit selection.

Full details of the O Week program will be forwarded to new undergraduate students and made available at:

<http://goto.murdoch.edu.au/Orientation>

## Re-Enrolment of Continuing Students

Re-enrolments for the next academic year open in mid November. From mid November to mid December students are strongly encouraged to enrol in all of their units for the following year, on the assumption that they will successfully complete their Semester 2 units, so that the University can confirm timetabling and teaching needs for the next year. Class sign-up for Semester 1 commences in mid January, and students must be enrolled in units to be able to sign up for classes.

After the start of Semester 1 the University normally discontinues the enrolment of students who have not re-enrolled nor formally taken a leave of absence from study. Re-admission after discontinuation will be into the current version of the relevant course and major, and will be subject to the fee rates for that year.

All students are expected to re-enrol through MyInfo, except:

Honours students are re-enrolled by The Student Centre;

Research students are re-enrolled by the Graduate Research Office on the basis of their Annual Progress Report;

Not-for-award students need to re-apply for enrolment each year through The Student Centre.

MyInfo can be accessed via:

<https://goto.murdoch.edu.au/MyInfo>

## Courses Subject to Restriction

All graduate courses are restricted and no student is able to transfer into a graduate course without approval.

### Restricted Majors

Animal Health (BSc)  
 Animal Science (BSc)  
 Chiropractic Science + Clinical Chiropractic (BSc, BCLinChiro)  
 Journalism (BCommun)  
 Marine Science (BSc)  
 Photography (BA)  
 Radio (BA)  
 Screen Production (both BA and BMedia)  
 Sound (BA)  
 Veterinary Science (BSc, DVM)  
 Web Communication (BDMedia)

## Changing Enrolment in Majors and Minors

Students wishing to change their enrolment in majors and minors can lodge a request via MyAnswers at any time.

<http://goto.murdoch.edu.au/MyAnswers>

Applications are considered at the end of each semester. Closing dates and application forms are available at:

<http://goto.murdoch.edu.au/StudentForms>

Where a major is restricted, adding it as a second major is subject to permission being granted by the relevant Academic Chair.

## Approved Leave

Students may apply for Approved Leave (intermission of enrolment) for a maximum total period of two years during any undergraduate course, or for a maximum total period of one year for Honours and graduate courses. Students granted Approved Leave are guaranteed a place in the University and in their course provided they resume studies at the end of the approved period.

An Approved Leave form, or a written application stating the grounds for seeking leave should be submitted via MyAnswers. The date this is received is the date of effect of the Approved Leave on the student's enrolment record, unless the student requests it to take effect the following semester or trimester as relevant to the student's course. The 'Approved Leave/Intermission of Study' and 'Approved Leave/Intermission of Study (Honours)' forms are available at:

<http://goto.murdoch.edu.au/StudentForms>

More detail on Approved Leave is available at:

<http://goto.murdoch.edu.au/Intermission>

## Withdrawal of Enrolment

Students may discontinue their studies by formally withdrawing from the University. This must be done by completing the 'Withdrawal from Murdoch University' form and submitting it via MyAnswers or to The Student Centre. This form is available at:

<http://goto.murdoch.edu.au/StudentForms>

International students will have their Confirmation of Enrolment (CoE) cancelled due to their withdrawal from Murdoch University.

Telephone advice to members of staff is not accepted as advice of withdrawal.

Re-admission is either via the Tertiary Institutions Service Centre (TISC) for undergraduate applications timed to commence at the start of the academic year:

<http://goto.murdoch.edu.au/TISC>

or online via Murdoch for mid-year re-admission:

<http://goto.murdoch.edu.au/ApplyingToMurdoch>

A student applying for re-admission after an unapproved break in studies of two or more semesters is required to meet the course and fee requirements in force at the time of re-admission, subject to those requirements being varied in individual cases by the Academic Chair and Manager, Student Records respectively.

A student who has no substantive enrolment in an academic year will have their enrolment discontinued and be required to apply for re-admission.

Any student who is permitted to re-enrol after exceeding the maximum permissible period of enrolment may have conditions attached to their enrolment.

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## UNIT SETS

A 'Unit' is the basic element of a course that delivers educational material prescribed in the curriculum.

'Unit Sets' are groups of related units used to define a path of study undertaken to ensure the satisfactory progression through and completion of a student's course attempt. They can be majors, minors or other groups of units.

When a student enrolls in a course, at least one primary unit set is applied to the course attempt to further define the student's nominated path of study. If a student subsequently discontinues that primary unit set then they may be obliged to change their course.

Examples:

Bachelor of Business (the course) with a major in Accounting (the major is the unit set)

Bachelor of Arts (the course) with a major in Criminology (the major is one unit set) and a minor in Management (the minor is another unit set)

Graduate Certificate in Energy Studies (the course) has a single unit set associated with it, also called Graduate Certificate in Energy Studies

Graduate Diploma in Energy and the Environment has a number of unit sets available, corresponding with the specialisations available in that course.

Unit set 'rules' typically require the completion of particular units or credit points at certain levels of study, and are used to verify a student's progress. Similarly, course rules can require the completion of one or more particular unit sets.

Students can amend their unit sets and add non-restricted unit sets by lodging a request through MyAnswers. Students who wish to add restricted unit sets can apply at the end of each semester as part of the course transfer process. Closing dates and application forms are available at:

<http://goto.murdoch.edu.au/StudentForms>

Note that some courses will require completion of a particular unit set; in these cases the unit set cannot be removed. There are also limits on the number of unit sets that can be undertaken within the one course.

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## UNITS

### Unit Offerings

University study is based on enrolment in units taken in distinct unit offerings, or enrolment options. A unit offering has a Location (for example, Peel campus), a Teaching Period (for example, S1 (the standard Semester 1 teaching period)) and a Unit Class or mode of study (for example, D (internal)). Many unit offerings are for a standard semester or trimester, some offerings are over two semesters, and others are in non-standard teaching periods.

The offerings for each unit are shown in the Units section of this Handbook.

Note that the University changes unit offerings in response to enrolment and administrative needs, and students should use the online Handbook to obtain the most up-to-date information.

### Teaching Periods

A Teaching Period is the period of time spent in teaching and assessing a unit, lasting from the first day of instruction to the final day of assessment. Each teaching period is identified by a unique code.

Most unit offerings are in standard teaching periods, and there are also a number of non-standard teaching periods. The standard teaching periods are as follows:

Standard Semesters include 12 teaching weeks, two non-teaching weeks, a one-week study break and a final two-week exam period.

Semester 1: S1 (February to June)

Semester 2: S2 (July to November)

The standard Summer term includes six teaching weeks plus one week for exams.

Summer term: SUM (November/December of the preceding calendar year to January/February)

The standard Winter term comprises four weeks including all assessments.

Winter term: W (June to July)

Standard Full/Straddle Years are two consecutive standard semesters.

Full Year: Y (S1 then S2)

Straddle Year: H (S2 then S1)

Standard Trimesters include 12 teaching weeks, a one-week study break and a final week for exams.

Trimester 1: T1 (January to April)

Trimester 2: T2 (April/May to July/August)

Trimester 3: T3 (August to November)

Trimesters at Dubai and Singapore locations generally include 12 teaching weeks, a one-week study break and a final week of exams.

January Trimester: TJA, TJB, TJD (January to April)

May Trimester: TMA, TMB, TMD (May to August)

September Trimester: TSA, TSB, TSD (September to December)

A comprehensive list of teaching periods can be seen at the beginning of the Units section of this Handbook.

## Prerequisites

Some units assume a particular level of understanding before students commence study in the unit; typically this is satisfied by completion of other (prerequisite) units. Where a unit has prerequisites, enrolment in the unit will require a student to have satisfied the prerequisites (or equivalents elsewhere) before commencing the unit. Students should consult the Unit Coordinator if they wish to seek a waiver of a prerequisite.

All students, regardless of their location or mode of study, need to have Internet access: see Internet Access Requirements above.

## Overloads

A student is not permitted to enrol in more than 14 credit points in a semester unless approval has been obtained from the Academic Chair. Generally a student needs a good academic record to cope with an enrolment overload. The 'Overload of Enrolment' application form is available at:

<http://goto.murdoch.edu.au/StudentForms>

## Late Enrolment

Where units allow online enrolment, students can normally enrol in an internal or external offering up to the end of the second week of the teaching period. After that time approval of the Unit Coordinator is required.

Changing enrolment from an internal offering to an external offering of the same unit is permitted until the end of the second week of the unit. After the second week approval of the Unit Coordinator is required. To make this change a request must be lodged through MyAnswers.

The enrolment can be refused if the Unit Coordinator believes it will disrupt teaching in the unit, otherwise disadvantage other students already enrolled in the unit, or might be academically disadvantageous to the student.

## Repeating a Failed Unit

A student who has failed a unit may usually take it a second time. A third attempt requires the approval of the Academic Chair of the course offering the unit. Special approval may be granted by the President of Academic Council for a student who has failed a unit three times to be permitted to enrol in it for a fourth and final time. Conditions may be attached to a third or fourth attempt including, in the case of a core unit failed twice, that a student must repeat the unit at the first available opportunity.

## Units offered at Peel

Students enrolled at the South Street campus are permitted to enrol in units at the Peel campus, where places are available.

## Unit Availability

Core units are offered each year, and at least once during each course offering where courses are of less than one year's duration. Elective units are offered at least each alternate year. A sufficient number of Specified Electives are offered in any course cycle to provide full-time students with a range of units from which to select.

## Teaching Timetable

Murdoch University strives to offer a degree of flexibility in its courses, which is reflected in the timetable offered to students. Unfortunately, it may not be possible to schedule all possible combinations of units without clashes when constructing the timetable.

Core units and specified electives are a priority in the timetabling process and are timetabled to be as clash free as possible. Students selecting general electives are advised to ensure they fit with their core units' timetable. If this is not possible, students may want to consider selecting electives that are available in external mode or, where lecture recordings can be accessed online, for which a clash affects only a portion of the total lecture time.

The teaching timetable is prepared in accordance with the Timetabling Policy with the aim of meeting the needs of students and academic staff. Standard teaching hours are between 8.30am and 8.30pm, Monday to Friday; in some cases classes will be scheduled outside of these hours to accommodate specific units.

Teaching timetables are published biannually for each of the Semesters, Summer, Winter and Trimesters.

Amendments after the timetables are published to students are kept to a minimum, as per the Timetabling Policy; changes may be made when, for example, a class size exceeds the capacity of the venue or a teaching staff member has changed.

Teaching timetables are available at:

<http://goto.murdoch.edu.au/TeachingTimetables>

The Timetabling Policy is available at:

<https://goto.murdoch.edu.au/policy/Timetabling>

## Classes

'Classes' is the collective term used for all teaching activities, such as lectures, tutorials, laboratories, workshops, seminars etc. Before 2012 these were known as Unit Activities.

Students need to register for their classes through MyInfo once class sign-up is available. Classes for most units start in the first week of the teaching period.

## Special Types of Unit

### Foundation Units

Until 2014, students in a Bachelor Degree Course were required to take a Foundation Unit, normally in their first semester of enrolment. In 2015 Foundation Units will be offered only at Dubai, at Singapore for students enrolled in the Bachelor of Psychology/Bachelor of Arts in Psychology, and through Open Universities Australia. Where Foundation Units are not available, students should enrol in the relevant Transition Unit.

The primary purpose of University Foundation Units is to enable students new to the University to develop a range of generic learning skills in a context that develops a broad perspective. These Units provide a foundation for subsequent university studies and a basis for the development of Murdoch University's Graduate Attributes. For more information, refer to the section on Transition and Foundation Units in Bachelor Studies: A General Guide.

### Transition Units

Students in a post-2014 Bachelor Degree Course are required to take a Transition Unit normally in their first semester of enrolment. A Transition Unit is a compulsory unit that introduces students to degree-specific skills that are necessary for success at university. For more information, refer to the section on Transition and Foundation Units in Bachelor Studies: A General Guide.

### Breadth Units

A student enrolling in a post-2014 Bachelor Degree Course must enrol in Breadth Units. These are specially designated Units that provide students with interdisciplinary knowledge. At 100 level, Breadth Units are specified for each Degree Course; at 200 level and 300 level, students may select from any appropriate Breadth Unit offered.



## Research Units

A student enrolling in a post-2014 Bachelor Degree Course must enrol in Research Units at 200 level and 300 level. Research Units are designed for single undergraduate degrees or for groups of cognate Majors, and support the development of research skills.

## Skills Development Elective Units

Students in a Bachelor Degree Course may choose to enrol in a unit designed to develop their learning skills. Some students may be encouraged to enrol concurrently in a Transition Unit and a Skills Development Elective Unit.

For more information, refer to the section on Skills Development Elective Units in Bachelor Studies: A General Guide.

## Special Topics

Special Topic units comprise advanced study in particular areas, and the range of topics available (if any) varies from year to year. Details of topics on offer can be seen in the Units section of the online Handbook.

## Independent Study Contracts

An Independent Study Contract (ISC) permits a student to study for credit a topic or subject that is not available as a regularly offered unit, under the supervision of an academic member of staff. ISCs differ from formal units in that they are based on individual study rather than formal classes.

The student is responsible for the selection of the topic and for the organisation of the contract. The contract is a formal agreement between the student and the supervisor, specifying the material to be studied and the methods by which it will be assessed. A student undertaking a contract will be required to work closely with the supervisor.

Students must submit their applications via The Student Centre on the 'Independent Study Contract (ISC) Application' form. Applications should be submitted at latest by the first day of the teaching period in which the contract is to be undertaken, but it is preferable to apply at least several weeks in advance.

Not all students will be able to enrol in an ISC.

The 'Independent Study Contract (ISC) Application' form is available at:

<http://goto.murdoch.edu.au/StudentForms>

The Independent Study Contracts Policy is available at:

<https://goto.murdoch.edu.au/policy/ISC>

## Change of Unit Enrolment, including Withdrawal

Most students (excluding honours, research and transnational students) are required to manage their unit enrolments through MyInfo:

MyInfo can be accessed via:

<https://goto.murdoch.edu.au/MyInfo>

The IT Service Desk can help with any difficulty in working through MyInfo:

Telephone +61 8 9360 2000  
itservicedesk@murdoch.edu.au

<http://goto.murdoch.edu.au/ITServiceDesk>

Students who require assistance in unit selection or other academic issues should contact The Student Centre.

To change unit enrolments, honours students should contact The Student Centre for assistance. Research students should contact the

Graduate Research Office.

For any other questions, students should access MyAnswers:

<https://goto.murdoch.edu.au/MyAnswers>

## Withdrawal From Units

Withdrawals are recorded on the student's academic transcript as follows:

Withdrawal on or before the census date; withdrawal is not formally recorded on the academic record and no fee is incurred. An administrative record is kept.

Withdrawal after the census date, but on or before the last date for withdrawal without penalty in the teaching period in which the unit is to be completed; withdrawal is recorded and fees incurred.

Withdrawals after the last date for withdrawal without penalty: fail recorded and fees incurred.

Details of census and withdrawal dates for all units are made available on the University web site, and can be accessed from the online Handbook.

<http://goto.murdoch.edu.au/TeachingPeriodsCensusDates>

Australian students in receipt of Government support need to keep in mind their obligations to remain enrolled in at least the minimum number of required credit points.

International students must maintain a full-time enrolment at all times as a condition of their student visa. If an international student cannot enrol full-time, they must apply for permission from The Student Centre to under-load. Permission may be granted in exceptional circumstances.

## Retrospective Withdrawal, and Re-crediting and Remission of HELP and Fees

Students can apply to have unit outcomes amended from Fail or Withdrawn to Withdrawn with or without Load, and for remission of their HELP or tuition fee liabilities.

The 'Retrospective Withdrawal' application form, with eligibility information, is available at:

<http://goto.murdoch.edu.au/StudentForms>

## Cross-Institutional Enrolments, or Unit Enrolment at Other Australian Universities

Students seeking to enrol in units at other universities for credit towards their Degree must obtain prior approval via The Student Centre. They must complete at least 50 percent of the Murdoch University Part II units from the requirements of the course and major or minor which they are completing, or from related units as determined by the Academic Chair, and at least 20 such credit points for an honours bachelor's degree.

In accordance with the Units Policy a cross-institutional enrolment allows Murdoch students to undertake a unit from another institution if an equivalent unit is not available at Murdoch.

The 'Cross-Institutional Enrolment' application form is available at:

<http://goto.murdoch.edu.au/StudentForms>

The Units Policy is available at:

<http://goto.murdoch.edu.au/UnitsPolicy>

Students must provide The Student Centre with evidence of their enrolment at the other university. Approval to enrol in the cross-institutional unit is normally required prior to enrolment; however, an Academic Chair has discretion to approve credit for cross-institutional enrolments where the student has already completed the unit.

Cross-institutional enrolments for international students must be approved via The Student Centre as part of the compliance requirements under the ESOS Act, 2000; this must occur before the other institution processes the enrolment.

Normally grades for cross-institutional units are recorded as Ungraded Pass (UP) or Fail (N), however the grade achieved at the other institution is also shown on the academic transcript.

### **Unit Enrolment at Overseas Tertiary Institutions through the Exchange Program Study Abroad**

Students enrolled in award courses may study for a semester, or an academic year, at an overseas university for credit towards their Murdoch University Degree. Limited opportunities are also available for graduate students.

Students are advised to begin planning for their Study Abroad experience during their first year of study. It is recommended that students complete General Electives while on exchange as these credits are easier to transfer towards their Murdoch University Degree. Students may also study Core Units and Specified Electives overseas. However, it is the student's responsibility to research for appropriate substitutes or equivalents and have these approved by the Academic Chair.

To be eligible to study abroad, students should have completed at least one year of full-time study (or part-time equivalent) at a tertiary institution of which at least 12 credit points must be from Murdoch University, have a minimum of a Credit grade average and be good ambassadors for the University.

Several Study Abroad travel bursaries are available to assist successful candidates. Travel bursaries are awarded competitively, based on sound academic performance and the ability of candidates, in the opinion of the committee, to both represent and promote the Study Abroad program and Murdoch University overseas. Commonwealth-supported students may apply for an OS-HELP loan.

Further information on studying abroad is available at:

<http://goto.murdoch.edu.au/ExchangeStudents>

Further information OS-HELP loans is available at:

<http://goto.murdoch.edu.au/FeesSummary#help>

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## **EXTERNAL STUDY**

External units are designed for students to study on their own, generally without on-campus attendance. The University has a flexible unit offering model, using online technology in a complementary way to ensure that all students will be able to access the same unit package, whether they are studying in either internal or external mode.

All students, regardless of their location or mode of study, need to have Internet access: see Internet Access Requirements above.

<http://goto.murdoch.edu.au/InternetStudy>

### **External Courses**

The lists of courses at the beginning of the Courses sections of this Handbook shows all courses offered in external mode.

### **External Units**

All Murdoch units have an online presence in some capacity. Some units use only online resources whilst others may have some printed material that will be issued to external students. Whenever feasible, lectures are recorded and can be accessed online within 24 hours of delivery.

Students who cannot come onto campus may use the online order facilities of the University Bookshop to purchase required and recommended textbooks.

External students may use campus facilities such as the Library, or attend lectures if able to do so. External students may borrow items and collect from any of the campus libraries. Reciprocal borrowing arrangements are available with many Australian and New Zealand libraries. Further information on library services for External students, and details of eligible libraries, is available at:

<http://goto.murdoch.edu.au/ExternalStudentServices>

Contact with tutors varies from unit to unit and tutors will inform students how and when they may be contacted. Students are encouraged to establish regular contact with their tutors by telephone or email.

### **Enrolment in External Units**

Unit offerings are shown in the Units section of this Handbook. A key to teaching periods appears at the beginning of the Units section of this Handbook.

External students need to consider their available study time when enrolling in units. Generally students should not enrol in a full-time external load unless they are able to devote approximately 40 hours per week to their study commitments.

Students enrolled in an internal semester- or year-long unit offering may change to the equivalent external offering of that unit only until the end of the second week of the teaching period.

When enrolled in units that are available in both a one-semester and full-year/straddle offering which begin at the same time, students may change between the two offerings up until the end of week 2 of that semester.

International students have restrictions surrounding their ability to enrol in external units due to student visa conditions and/or sponsorship conditions. It is recommended that international students contact The Student Centre to discuss their eligibility if seeking enrolment in external units.

For information concerning late enrolment in external offerings of units, refer to Late Enrolment under the Units heading above.

### **External Enrolment by Students Based Overseas**

Students studying from overseas, particularly those in developing countries, need to make allowance for potential difficulties and delays, especially in communicating with the University. Australian Citizens are not able to hold a Commonwealth-supported place if they are residing overseas and do not undertake at least some units of their course whilst resident in Australia. Permanent resident visa holders who are residing overseas whilst studying are not able to hold a Commonwealth-supported place unless they are required to reside overseas as part of the course; otherwise, they will be domestic full fee-paying students.

All students, regardless of their location or mode of study, need to have Internet access: see Internet Access Requirements above.

<http://goto.murdoch.edu.au/InternetStudy>

### **Examinations for External Units**

Students enrolled in external offerings of units and living more than 100 kilometres from the campus at which they are enrolled are sent an email notice of examinations, where an examination is part of the unit's assessment requirements. For further information on assessment, refer to the Rules for the Conduct of Examinations available at:

<http://goto.murdoch.edu.au/ConductOfExaminations>

and relevant Assessment/Examination topics elsewhere in the Handbook.

## **CANCELLATION OF COURSES, MAJORS, MINORS OR UNITS**

The University reserves the right to cancel, without notice, any course, major, minor or unit if the number of students enrolled falls below limits set by the University or in other unforeseen circumstances.

## **ASSESSMENT AND ACADEMIC PROGRESS**

The Assessment Policy is available at:

<http://goto.murdoch.edu.au/AssessmentPolicies>

### **Responsibilities of Students**

The Assessment Policy specifically advises that students have the responsibility to:

Seek all information available well before assessments are due -- this may be available online, or in printed material specified for the course

Submit assessed work by the due date and in the specified process

Work in a manner that does not constitute misconduct, dishonesty or plagiarism

Behave in a manner which does not interfere with other students' rights

Seek advice and feedback at times specified by the Unit Coordinator

Consult appropriate Policies prior to lodging an appeal.

Students must include a completed cover sheet with each assessment submitted. A cover sheet form (Microsoft Word format) can be found at:

<http://goto.murdoch.edu.au/AssignmentCoversheet>

### **Assessment Methods**

Methods of assessment vary between units. However, each unit is required to have more than one assessment method, at more than one point in time, and must ensure that the amount of work required is appropriate to the credit points value of the unit.

All students will be provided with a statement of the assessment requirements for each of their units, including assessment methods and weighting.

### **Examinations**

Usually all final examinations are held within the exam period at the end of each semester or trimester. It is the student's responsibility to ensure that they are available throughout this period and that any travel is scheduled outside this time.

Semester examinations commence on the first Saturday of the exam period, and are generally held in daily sessions commencing at 9.30am, 2.00pm and 5.00pm. Students are required to show their Murdoch University Student Card at the examination venue. External students who do not have a Murdoch student card may use alternate photo identification such as a driver's license or passport.

The examination timetable is published approximately five weeks prior to the exam period and is available at:

<http://goto.murdoch.edu.au/ExaminationsTimetable>

Students who arrive no more than 30 minutes into the exam working time will be allowed to sit the examination, but will not be granted extra time. Those who arrive more than 30 minutes into

the exam working time should report to the Examinations Office via The Student Centre. Students who miss an examination will not normally be allowed to sit the examination and will not be eligible to apply for deferred assessment.

The Rules for the Conduct of Examinations are available at:

<http://goto.murdoch.edu.au/ConductOfExaminations>

Further information on exams is available at:

<http://goto.murdoch.edu.au/Examinations>

### **Grading System**

*Final Grades for units that award grades (most Murdoch units)*

HD (High Distinction): 80-100%

D (Distinction): 70-79%

C (Credit): 60-69%

P (Pass): 50-59%

SP (Pass): pass grade awarded after supplementary assessment

N (Fail): below 50%

SN (Fail): fail grade awarded after supplementary assessment

DNS (Fail): the student failed to participate in assessment components that had a combined weighting of 50 percent or more of the final mark

*Final Grades for units that only award Pass/Fail*

UP (Ungraded Pass): 50% or above

N (Fail): below 50%

DNS (Fail): the student failed to participate in assessment components that had a combined weighting of 50 percent or more of the final mark

*Interim Grades*

G (Good Standing)

NA (Not Available)

Q (Deferred Assessment)

SA (Supplementary Assignment): 45-49%

SX (Supplementary Exam): 45-49%

The award of either Supplementary grade shall be at the discretion of the Unit Coordinator except where clause 11.1.1 of the Assessment Policy applies.

The Assessment Policy is available at:

<https://goto.murdoch.edu.au/AssessmentPolicies>

### **Supplementary Assessment**

A Unit Coordinator may, where appropriate and at their discretion, award an interim grade of SX (Supplementary Exam in the Supplementary/Deferred Exam Period) or SA (Other Supplementary Assessment). A supplementary grade may be reported where the student has a borderline fail grade (45 to 49 percent) in the unit, and the Unit Coordinator is able to arrange extra work and/or an examination to give the student a further opportunity to demonstrate achievement of the unit objectives.

The Unit Coordinator will notify the student in writing of the supplementary assessment arrangements, and, for the semester teaching period, the additional work must be completed within six weeks of the end of the exam period for the unit (for this purpose the two-week limited service period of the University will not be taken into account).

However, where a student achieves a mark of 50 percent or greater overall in the unit assessment, but fails because they do not achieve

a pass or required minimum mark in one or more mandatory pass components, they must be awarded supplementary assessment, which shall normally be directed toward the area in which they have failed.

The only grades available after supplementary assessment are Supplementary Pass (SP) or Supplementary Fail (SN). An Ungraded Pass is not available. If supplementary assessment is not completed by the six-week deadline, a result of Fail will be recorded.

For those of its units that are offered on a full-year basis, the timetable for supplementary assessment may differ from that stated above. Students enrolled in affected courses will be informed of any variation.

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### **Deferred Assessment**

A student may be granted a deferral of assessment if an illness or other exceptional circumstance prevents them from sitting an exam or completing a piece of assessment work due in the last teaching week or later and it is possible for them to pass the unit.

Deferred assessment shall not be approved:

for illness or other circumstances occurring prior to the census date for the unit; instead, an extension should be requested from the Unit Coordinator;

for circumstances occurring after the census date and before the late withdrawal date for the unit and not continuing after then; instead, application should be made for retrospective withdrawal;

if the student has sat the exam or submitted the assessment piece;

if the student can't sit because it is during their working hours, unless it is shown that the employer has refused them leave; or

if the student didn't sit an exam because they misread the timetable, forgot the exam or slept in.

Application forms must be submitted to The Student Centre within three (3) University business days for exams, or by the last week of teaching for other assessment pieces. Application forms are available from The Student Centre as well as at:

<http://goto.murdoch.edu.au/DeferredAssessment>

The application shall include a statement of the reasons for seeking deferment, and independent supporting evidence including a medical certificate if the application is on medical grounds.

Where an application is denied, the advice will include the reasons for the denial. The student may appeal to the Chair of the Student Appeals Committee within five (5) University business days of the date of the denial advice if the criteria in Section 10.4 of the Student Appeals Policy are met.

The Student Appeals Policy is available at:

<https://goto.murdoch.edu.au/policy/StudentAppeals>

For information on the Appeals process, refer to:

<http://goto.murdoch.edu.au/Appeals>

Deferred assessment is not available for units in which the student has been granted supplementary assessment. Under exceptional circumstances a student may apply to their Unit Coordinator to change the date of their supplementary assessment.

### **Notification of Assessment and Examination Results**

Students are entitled to the results in all assessment components of their unit, including raw marks for components and for the unit overall.

Examination results are released as follows:

for semester exams, on the third Monday after the end of each exam period;

for trimester exams, on the second Friday after the end of each exam period.

Note: For offshore teaching periods, this can be the third or fourth Friday after the end of each exam period.

Results can be accessed via MyInfo:

<https://goto.murdoch.edu.au/MyInfo>

The Assessment Policy states that students have a right to view and discuss assessment results with a member of teaching staff. Students are entitled to see their results in all assessment components of their unit, including raw marks for components and for the unit overall. Students may inspect their marked examination scripts and discuss the marking with the Unit Coordinator, or nominee, within fourteen days of the posting of results. Unit Coordinators may require reasonable notice or set aside specified times for this. Where a Unit Coordinator is away from campus in the two weeks following the posting of results, another member of academic staff is designated to handle enquiries and is provided with detailed assessment information to facilitate this. Unit Coordinators retain examination scripts for one year from the end of the appropriate standard teaching period.

### **Academic Transcript/Statement of Academic Record**

A formal Statement of Academic Record is available to students from The Student Centre, or can be ordered online, at a cost of \$20. Normally one working day's notice is required.

<http://goto.murdoch.edu.au/TranscriptsRequestService>

### **Australian Higher Education Graduation Statement**

The Australian Higher Education Graduation Statement (AHEGS) is provided to graduating students on completion of their award. It includes a description of the nature, level, context and status of their studies. Its purpose is to assist in recognition of Australian qualifications and to promote international mobility and professional recognition of graduates.

### **Murdoch Academic Passport**

Murdoch Academic Passport is a compulsory online module that provides an orientation to academic integrity at Murdoch University. All students are required to complete the module during their first teaching period as a condition of being able to re-enrol in the following teaching period.

### **Dishonesty in Assessment**

Academic integrity is an adherence to five fundamental values: honesty, trust, fairness, respect and responsibility in all work. Academic integrity is fundamental to the operation of all scholarship, whether it be original research or undergraduate assignments. It ensures that proper credit is given to those who do the work and that their intellectual contribution is acknowledged. It ensures that proper evaluation and feedback of performance can be given, and it reinforces the worth and reputation of academic awards on the basis they have been honestly earned. Murdoch University regards academic integrity as a fundamental value of student learning. It requires all students enrolled in the University to adhere to academic integrity in fulfilling each assessment task.

The University regards most seriously any acts of dishonesty relating to assessment of University courses and research. This includes plagiarism, ghostwriting, unauthorised collaboration, examination misconduct, theft of other students' work and misconduct in research. Acting unfairly or dishonestly in assessment is defined as

misconduct under University legislation.

Depending on the seriousness of the case, dishonesty in assessment can lead to a requirement to undertake additional work, failure in a unit or in a part of it, suspension from the University or even permanent expulsion from the University. The University regards any form of cheating as a serious matter of academic dishonesty that threatens the integrity of the assessment processes and awards of the University, to the detriment of all other students and graduates of the University.

Plagiarism constitutes using the work of another without indicating by referencing (and by quotation marks when exact phrases or passages are borrowed) that the ideas expressed are not one's own. Students can use the ideas and information from other authors, but this use must be acknowledged. It is also not acceptable to submit an assignment that is simply a paraphrasing of extracts from other authors: the work submitted must include some intellectual contribution of the student's own. The Foundation and Transition Units in particular assist students in identifying what is considered plagiarism at Murdoch University.

Re-submission of previously marked work, for example the submission of the same, or substantially the same, piece of work for assessment in two different units by the student author is not acceptable practice.

Unauthorised collaboration ('collusion') constitutes joint effort between students, or students and others, in preparing material submitted for assessment, except where this has been approved by the Unit Coordinator. Students are encouraged to discuss matters covered in units, but when writing an assignment, computer program, laboratory report or other piece of assessed work, the recording and treatment of data and the expression of ideas and argument must be the student's own.

Purloining -- copying the work of another without their knowledge -- is not acceptable, neither is ghostwriting which is submitting the work of another person as your own.

Dishonesty in assessment applies to work in any medium (for example, written or audio text, film production, computer programs, etc.)

### **Student Discipline Regulations**

Information regarding Academic Misconduct can be found in the Student Discipline Regulations and the Student Discipline Procedure available at:

<https://goto.murdoch.edu.au/StudentDisciplineRegulations>  
<https://goto.murdoch.edu.au/StudentDisciplineProcedure>

### **Academic Progress**

Students must complete successfully at least half of their enrolled credit points each academic period in order to make satisfactory academic progress.

Certain courses may have additional academic progress requirements; these will be recorded in the course's entry in the Handbook.

Academic Progress is monitored under the Academic Progress Monitoring Procedure:

<http://policy.murdoch.edu.au/docview/?docid=1283&public=true>

A student excluded from enrolment, in either a particular major/course or the University as a whole, may appeal this decision under the Student Appeals Policy:

<http://goto.murdoch.edu.au/StudentAppeals>

Further information on academic progress can be found in the Coursework Regulations available at:

<https://goto.murdoch.edu.au/CourseworkRegulationsFrom2014>

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## **STUDENT APPEALS**

Murdoch University encourages students to resolve issues initially and informally through their Unit Coordinator and/or appropriate staff member. In cases where this is not possible, the student appeals process provides a further opportunity for students to seek a final resolution. For further information on the various types of appeals and their relevant procedures, refer to the Appeals Procedure at:

<http://goto.murdoch.edu.au/AppealsProcedure>

The Student Appeals Policy is available at:

<https://goto.murdoch.edu.au/policy/StudentAppeals>

### **Student Complaints**

Where a student is dissatisfied with a decision made that falls outside of the Student Appeals process, the Student Complaints process enables the provision of information on how to address any issues and/or concerns. For further information refer on complaints, refer to:

<http://goto.murdoch.edu.au/StudentComplaints>

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## **STUDENT COMMUNICATION**

Students who change their home or postal address at any time during the year *must* notify the University through MyInfo. If MyInfo is not accessible, Change of Address forms are available from The Student Centre.

### **Official Communications Channel**

Important messages regarding student enrolment and graduation are sent via the Official Communications Channel (OCC), which can be accessed at any time via MyMurdoch, the Student Portal:

<https://goto.murdoch.edu.au/MyMurdochStudents>

Students should check the OCC regularly for new communications from the University.

### **Email**

The University will also correspond with students via email.

All students are provided with a student email account in the format

`yourstudentnumber@student.murdoch.edu.au`

Students who prefer to use a different email account can submit that address through MyInfo.

New domestic students can set their email address when accepting their offer. New international students can set their email address when activating their Murdoch account.

Current students can maintain their email address through MyInfo.

Students can access their Murdoch email account using a web-based email interface via:

<http://goto.murdoch.edu.au/Webmail>

To log in, students will need their Murdoch Username (Student Number) and Murdoch Password, the same as is required for access to MyInfo.

Further information on email accounts is available at:

<http://goto.murdoch.edu.au/UsingMurdochEmail>

### ***Extenuating Circumstances***

External students who are unable to access computer facilities due to extenuating circumstances are able to apply to receive their University correspondence via hard copy. An application form is included in enrolment information sent to new students. Further information is available from The Student Centre.

# Bachelor Studies: a General Guide

The following information should be read in conjunction with Study at Murdoch: A General Guide in this Handbook. It is important that students also read the legislation relevant to their studies so that they are familiar with all of the requirements; for guidance refer to the University Regulation section of this Handbook.

Further information on all of these topics can be obtained from The Student Centre.

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## STRUCTURE OF UNDERGRADUATE BACHELOR DEGREES

Bachelor Degree Course descriptions and requirements appear in the Bachelor and Honours Degrees section of this Handbook.

Murdoch offers Bachelor Degrees of three- or four-year duration, which is the typical time taken to complete the degree when studying full time.

A three-year degree normally requires 72 credit points and a four-year degree 96 credit points. A full-time student normally enrolls for 12 credit points in each semester, or 24 credit points in each academic year.

Murdoch University introduced new undergraduate Degree Courses in 2014. These new Courses still take either three or four years to complete on a full-time basis. The new degree framework is structured around three key elements: transition to university; research skills; and depth and breadth of study. Every degree provides students with depth of knowledge and skills in at least one major area of study. Students continuing their study at Murdoch University from before 2014 can remain in their existing Course. New students commencing with sufficient Advanced Standing may be admitted into pre-2014 Courses.

The Bachelor Degree comprises two Parts.

### Part I

Part I is the first academic year of the degree; for a full-time student, it occupies the first two semesters. Part I introduces students to university-level studies; it provides a basis upon which studies in Part II are built and, where the course structure is not fully prescribed, it allows students to develop their interests by enrolling in elective units before finally deciding their course of study.

To satisfy Part I requirements of a course a student must satisfactorily complete:

- the relevant Transition Unit or a Foundation Unit
- the Part I required Units of their primary Major
- normally a total of 24 Credit Points, although courses can require from 18 to 30 Credit Points (including Advanced Standing for previous studies)

plus for students enrolled in a post-2014 Course:

- the Course's 100-level Breadth Unit.

Part I students must pass a Transition or Foundation Unit and normally have accumulated 18 credit points before they can enrol in any Part II unit. Exemption from the requirement to complete a Foundation or Transition Unit may be given only if a student has been granted 24 or more credit points of Advanced Standing on the basis of previous studies elsewhere, or has at least 18 points of Advanced Standing *and* has previously passed a unit offered by another institution deemed by the relevant Academic Chair to be similar to a Murdoch University Foundation or Transition Unit.

### Part II

Part II comprises the balance of the degree and consists of more specialised study.

To satisfy Part II requirements of a Course, a student must satisfactorily complete:

- the units required for Part II of the Course and Major in which they are enrolled
- the total credit points required for the course

plus for post-2014 Courses:

- the 200- and 300-level Research Units
- the 200- and 300-level Breadth Units.

A student must also complete any further requirements for the course.

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## UNDERGRADUATE ADMISSION REQUIREMENTS

Applicants who satisfy the requirements detailed below are eligible for consideration to be offered a place; it does not guarantee that a place will be offered.

Applications for undergraduate study are considered in two groups: School Leavers and 'mature age', where the fundamental difference is the age of the applicant.

Further information on the Australian Qualifications Framework (AQF) referred to below can be obtained from:

<http://www.aqf.edu.au/>

### School Leavers (Recent School Completion)

For admission at the beginning of the year, a school leaver is a person who will be under 20 years of age on 1 March in the year of admission (or 1 August for mid-year admission), and who has not previously attempted (whether successful or not) any part of a qualification at a recognised tertiary/post-secondary institution. School leavers will be considered on the basis of secondary education from Western Australia, interstate or overseas.

An applicant who is not a school leaver should see admission requirements for Mature Age below. Applicants who hold the qualifications detailed below are eligible for consideration to be offered a place; it does not guarantee that a place will be offered.

### Western Australian School Leavers

Applications will be considered from applicants who have:

a) completed the final two years of secondary education (Years 11 and 12) as defined by the School Curriculum and Standards Authority (SCSA) of Western Australia and obtained the Western Australian Certificate of Education (WACE) or its interstate or overseas equivalent as approved by the Committee on University Entrance: see

<http://goto.murdoch.edu.au/MinimumEntryRequirements>

and

b) demonstrated English language competence through achieving either of the following:

- (i) a combined scaled score of 50 or more in English (stage 2 or 3), Literature or English as an Additional Language/Dialect for

those who are eligible to take this subject;

or

(ii) an equivalent level of English language competence as approved by the Committee on University Entrance: see <http://goto.murdoch.edu.au/EnglishRequirements>  
Applicants with overseas qualification are required to provide satisfactory evidence of their competence in English via approved assessment (for minimum English competency requirements, see 'Interstate/International School Leavers' below);

and

c) achieved either of the following:

(i) an Australian Tertiary Admission Rank (ATAR), or its equivalent as approved by the Committee on University Entrance, which qualifies them for a place in a course;

or

(ii) a qualification at the AQF Certificate IV level or above, as assessed under the Australian Qualifications Framework.

Applications will also be considered under these criteria from those who have concluded their secondary schooling without satisfying (a) and (b) above but who have subsequently achieved satisfactory performance in a formal qualification at a recognised tertiary institution.

Applicants who meet the age requirement but who do not satisfy the other requirements above will not normally be eligible for entry to Murdoch University. Further information and counselling as to the options that are available can be obtained from The Student Centre, or refer to the OnTrack web site and check the Courses section of this Handbook for details of University Preparation courses.

### **Interstate/International School Leavers**

Applications will be considered from any applicant who has completed an equivalent final year of secondary school interstate or overseas. For minimum entry requirements, see:

<http://goto.murdoch.edu.au/MinimumEntryRequirements>

Applicants with qualifications from overseas will be required to provide satisfactory evidence of their competence in English via an approved examination. For minimum English competency requirements, see:

<http://goto.murdoch.edu.au/EnglishRequirements>

Applicants who are under 20 years of age on 1 March in the year of admission but who have met the criteria above (or its interstate or overseas equivalent as approved by the Committee on University Entrance) and successfully completed studies at a tertiary institution may be considered for entrance as mature-aged applicants under the Mature Age guidelines below.

### **Mature Age**

Applications are welcomed from applicants who can present evidence that demonstrates capacity for tertiary study.

Applicants at least 20 years of age on 1 March in the year of admission (or 1 August for mid-year admission) may meet entry requirements through any of the following options:

a) Achievement of the requirements for School Leaver entry; or

b) Satisfactory performance in the 'mature age' ATAR; or

c) Satisfactory performance in a formal qualification at a recognised tertiary institution; or

d) Completion of a qualification at the Australian Qualifications Framework (AQF) Certificate IV level or above; or

e) Satisfactory performance in both the Written and either of the Verbal or Quantitative components of the Special Tertiary Admissions Test (STAT); or

f) Acceptable work experience; or

g) A detailed personal submission and resume of their occupational, educational and personal experience that may indicate their capacity for tertiary study; note that very few applicants gain admission by this method alone; or

h) Completion of a University Preparation course offered by Murdoch University; or

i) Other criteria defined as acceptable by the Committee on University Entrance.

In addition to meeting the above requirements, all mature-aged applicants are encouraged to submit a one-page personal statement with their application. The statement should address the following:

Why the applicant wishes to study the Murdoch course for which they are applying.

Why the applicant will be able to study successfully at Murdoch University.

How the applicant plans to apply the knowledge and skills gained from their studies.

If the applicant has any fails or late withdrawals from previous tertiary or post-secondary studies, the reasons for the unsatisfactory performance and if those conditions still exist.

Any other relevant information which strengthens the application, such as work experience in the field of study.

Applicants for restricted courses (including Chiropractic and Veterinary Science) applying through options (b) to (i) must submit a personal statement. A full list of restricted courses can be obtained from The Student Centre.

Note: For all courses, Murdoch University reserves the right to limit the number of places available for Australian citizens, permanent residents and international students.

### **Prerequisites**

Except for the English competency requirement (stage 2 or 3 English, or equivalent), there are no subject prerequisites for admission to undergraduate courses. Some first year units, particularly in Science, assume successful completion of relevant Year 12 (or equivalent) subjects; however, appropriate preparatory units are available if this is not the case.

All students, regardless of their location or mode of study, need Internet access: see Internet Access Requirements in the Study at Murdoch section in this Handbook:

<http://goto.murdoch.edu.au/InternetStudy>

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## **APPLICATION PROCESS**

### **Domestic Applicants**

Domestic applicants are applicants who are Australian citizens, permanent residents of Australia, or New Zealand citizens who are eligible for admission to a Commonwealth-Supported place. All other applicants should refer to International Applicants below.

### **Entry into Semester 1**

For entry into Semester 1, an online application process is available through the Tertiary Institutions Service Centre (TISC). A TISC



Guide' to this process may be purchased from TISC; all of the information in the Guide is available on the TISC web site.

<http://www.tisc.edu.au>

Only one application can be submitted. Applicants may nominate up to six courses in order of preference at one or more of the participating tertiary institutions (Murdoch University, Curtin University, Edith Cowan University, University of Western Australia).

**First Round Offers:** Applications should generally be lodged by the last Friday in September of the year preceding admission. However, applications will be accepted until the end of November upon payment of a late fee, and still be considered in the first round of offers.

**Second Round Offers:** Applications may also be accepted after the end of November until late January in the year of admission and be considered for the second round of offers.

### Contact details for TISC

Tertiary Institutions Service Centre  
100 Royal Street  
East Perth WA 6004  
Telephone (08) 9318 8000  
Facsimile (08) 9225 7050  
<http://www.tisc.edu.au>

### Entry into Semester 2

For entry into Semester 2, applications must be submitted directly to Murdoch University by applying online. All documents relating to the entry requirements of the Course should be submitted during the application process.

Please note that domestic applicants must complete some part of their course while resident in Australia in order to be eligible for a Commonwealth-Supported place, otherwise they will be liable for full fees.

Further information for domestic applicants is available at:

<http://goto.murdoch.edu.au/ApplyingToMurdoch>

All applicants are required to keep an original or certified copies of any documentation submitted as part of their application. This may be required at a later date or be requested by the University as part of any admissions review or audit.

### Readmission

Applicants who have previously been enrolled at Murdoch University two or more semesters ago (even if no unit was completed) can apply for readmission through TISC.

Applicants for readmission who have previously been excluded from a course or the University must provide a written statement addressing the grounds of the exclusion.

### International Applicants

International students may apply to enrol at the University as full-fee-paying students, paying the full cost of tuition for their chosen course. Most undergraduate courses are available for full-fee enrolment. Qualified students may apply to commence study in either Semester 1 (commencing mid February) or Semester 2 (commencing late July). For information on how to apply, see:

<http://goto.murdoch.edu.au/EntranceRequirements>

To facilitate the admissions process, all documents relating to the entry requirements of the Course should be uploaded and submitted during the application process.

All applicants are required to keep an original or certified copies of any documentation submitted as part of their application. This may be required at a later date or be requested by the University as part

of any admissions review or audit.

Enquiries on tuition fees, eligibility and application procedures should be directed to the International Enquiries email address:

[international@murdoch.edu.au](mailto:international@murdoch.edu.au)

Information on financial assistance can be obtained through Australian Government diplomatic posts overseas.

Further information on applying to Murdoch is available at:

<http://goto.murdoch.edu.au/EntranceRequirements>

### Deferred Admission

Domestic and international applicants who are offered an undergraduate place at Murdoch University can defer their place for up to two years. A place held in the original course offered, unless the course is subsequently discontinued. Deferred places will be re-offered in for the relevant admission period so it is important that changes of postal and email addresses are advised to the University.

### MAJORS

Pre-2014 Courses:

In Bachelor-level Courses, an academically coherent grouping of Units approved by Academic Council that prescribes up to 12 Part I Credit Points (unless Academic Council has approved more), inclusive of a Foundation Unit, and 24 or more Part II Credit Points. All Bachelor degree Courses include at least one major, except for General Arts, which comprises three minors instead.

Post-2014 Courses:

An academically coherent sequence of Units approved by Academic Council that prescribes up to 18 Part I Credit Points for Group 1 Degree Courses and 3 to 9 Credit Points for Group 2 Degree Courses as set out in Schedule A2 of the Coursework Regulations (unless Academic Council has approved otherwise), and 18 or more Part II Credit Points. Unless otherwise exempted by Academic Council, all Majors include at least 9 Credit Points at 300 level. All Bachelor degree Courses include at least one Major.

### Double Majors

A double major is two separately approved majors undertaken while the student is enrolled in a single course.

Students may enrol in double majors. However, where units can be credited towards the requirements of two majors, at least 12 Part II Credit Points from each major for pre-2014 Courses, and at least 9 Part II Credit Points from each major for post-2014 Courses, cannot be counted towards the other.

Students may not complete a double major where the two majors include too few credit points of difference. These 'Excluded Double Majors' are recorded under the relevant course description in the Bachelor and Honours Degrees section of this Handbook.

Teaching timetable clashes are avoided for the popular double majors, but it is not possible to do so for all possible double major combinations.

### Transfers Between Majors

An enrolled student can apply to transfer to any course and associated major that is not restricted by Academic Council. Where a restriction on admission to a major has been approved by Academic Council, a student may apply for admission to that major in accordance with procedures approved by the Council. Applications to transfer majors are considered at the end of each semester and follow the same procedures and deadlines as for transfer between courses: see closing dates and application forms

at:

<http://goto.murdoch.edu.au/StudentForms>

Students may add and discontinue other, non-restricted majors that are not associated with their course at any time by lodging a request through MyAnswers. For further information refer to Unit Sets in Study at Murdoch: A General Guide above.

International student transfers will be processed at the end of the semester if the change in major requires a new Confirmation of Enrolment (CoE) to be issued.

### **Changes to the Structure of Majors**

When there is a change to major requirements, students already enrolled in the major are not subject to any additional requirements. However, they may elect to meet the requirements of the new structure. This should be discussed with a Student Advisor.

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## **MINORS**

In undergraduate courses, a minor is a prescribed academically coherent grouping of Units, approved by Academic Council, that requires completion of fewer points than a major. A minor can have the purpose of allowing for specialisation or diversification.

Each Minor prescribes 12 Credit Points (or 15 Credit Points for certain Psychology minors), with no more than 6 Part I Credit Points and at least 6 Part II Credit Points. At least 6 Credit Points from Part II cannot be counted towards a Major or another Minor.

Where there is excessive unit overlap between a major and a minor, or two minors, students are excluded from enrolling in that combination. These exclusions are listed in the Bachelor and Honours Degrees and Minors sections of this Handbook.

Successful completion of minors is recorded on academic transcripts if the student has nominated the minor(s) before completion of the Course.

Students can manage their enrolment in minors through MyAnswers: for further information refer to Unit Sets in Study at Murdoch: A General Guide above.

For details of minors offered, refer to the Minors section of this Handbook.

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## **UNITS**

### **Part I Credit Points in the Undergraduate Degree**

A Bachelor's Degree normally includes 24 Part I credit points, but it must include at least 18 and no more than 30 Part I credit points. If a student accumulates more than 30 Part I credit points, only 30 credit points will be used towards the course and degree requirements.

### **Enrolment in Part II Units while a Part I Student**

A Part I student may not enrol in a Part II unit unless they have accumulated 18 credit points (including any Advanced Standing) and passed a Transition or Foundation Unit. A student seeking to enrol in a Part II unit who has not satisfied this requirement must obtain approval of their Academic Chair by completing the 'Early Enrolment in Part II Units' application form, available at:

<http://goto.murdoch.edu.au/StudentForms>

### **Transition and Foundation Units**

With the introduction of the new suite of Degrees at Murdoch University in 2014, students complete a Transition Unit in place of the Foundation Unit taken by students in pre-2014 Courses (students at Dubai and Singapore locations will continue to take a Foundation Unit).

The primary purpose of these units is to enable new students to develop a range of generic skills in a context specific to their chosen degree. These units provide a foundation for subsequent university studies and a basis for the development of Murdoch University's Graduate Attributes.

Students are required to take a Transition Unit (or a Foundation Unit in the case of Dubai and Singapore) in their first semester of enrolment. A student shall not enrol in more than one Transition or Foundation Unit for credit (students enrolled in a Combined degree course must refer to the requirements for their course in order to determine what Transition units they must complete).

Each Transition and Foundation Unit is worth 3 Credit Points and commonly involves two hours of lectures, two hours of tutorials and six hours of independent study per week and includes online components. The assessment in each unit may be based on a combination of written material (usually essays), tutorial participation, an oral presentation (internal students only) and a two-hour final examination.

### **Foundation Unit**

Next Life (FDN107) at Dubai and Singapore locations only

### **Transition Units**

Bachelor of Arts - Academic Learning Skills (BAR100)

Bachelor of Business - Academic Skills for Business (BBS100)

Bachelor of Education - Ideas in Education (BED100)

Bachelor of Engineering - Transitioning into Engineering (BEN100)

Bachelor of Laws - Australian Legal System (BJU100)

Bachelor of Nursing - Transition to Nursing Studies (BNR100)

Bachelor of Science - Building Blocks for Science Students (BSC100)

### **Breadth Units**

Murdoch University Bachelor degrees introduced from 2014 include Breadth Units. These units have been designed to provide students with the skills and understanding to analyse the world around them, and make a difference in their own lives and the lives of others.

In Year 2 of the degree, students can select from interesting and challenging subjects that benefit from an interdisciplinary approach. This means that numerous academic disciplines other than the individual discipline in which a student has chosen to specialise will contribute to their studies. Students will not only learn vital life and career skills but also learn from an interdisciplinary team with a variety of experiences and knowledge.

### **Year 2 Breadth Units**

Australian and Asian Transformations (BRD204)

Carbon and Climate: A Wicked Problem (BRD203)

Creativity and Innovation (BRD209)

Crime Through the Ages (BRD205)

Dealing with Difference (BRD207)

Drugs in Society (BRD202)

Food Matters (BRD201)

iHuman (BRD208)

Swan River (BRD211)

Transitions to Post Carbon Society (BRD206)

Wellbeing (BRD251)

World of Sport (BRD210)

### **Skills Development Elective Units**

In addition to the Transition Units included in Part I of undergraduate degrees at Murdoch, a number of units designed to develop learning skills with a particular focus are also offered. These are delivered by the Centre for University Teaching and Learning (CUTL).

For further details on any of these units, including unit offerings and the contact details of the Unit Coordinator, refer to the unit description in the Units section of this Handbook.

### **Introduction to University Learning (TLC120)**

Introduction to University Learning (TLC120) is an elective unit designed to develop key theoretical understandings, academic literacy, and confidence for success at university. The unit focuses on the culture and expectations of university, the nature of knowledge, and understanding oneself as a learner. It helps students develop essential academic skills, including writing, reading, note making, referencing, critical thinking, time management and discussion skills. TLC120 is based broadly in the social sciences and humanities.

TLC120 begins in week 3 of each Semester at Murdoch campus; it is also offered externally over the Summer term.

### **Writing Academic English (TLC121)**

Writing Academic English (TLC121) is a Part I general elective unit designed for students for whom English is a Second Language (ESL).

This unit will help students develop the reading and writing skills that will enable them to tackle university assignments effectively. Writing Academic English is designed for students from all Schools, and explores the process and basic elements of academic writing. In this unit, students will not only improve accuracy in writing and build academic vocabulary, but also develop their ability to think critically and to communicate complex ideas in English.

TLC121 begins in week 1 of each Semester at Murdoch campus.

Students may enrol themselves, or they may be referred to the unit by a Student Advisor, a Transition Unit tutor, or a Unit Coordinator of another unit.

### **From University to Workplace (TLC227)**

From University to Workplace (TLC227) is a Part II general elective unit designed to provide theoretical and practical knowledge to enhance students' career development and transition to the culture of the workplace. As members of the local and global community, students are introduced to how large and small organisations recruit, select and retain personnel. The unit examines relevant concepts and workplace policies and practices. The practical component complements the theory presented as students improve skills and confidence to enhance employment prospects.

# Honours Studies: a General Guide

The following information should be read in conjunction with Study at Murdoch: A General Guide in this Handbook.

It is important that students also read the legislation relevant to their studies so that they are familiar with all of the requirements; for guidance refer to the University Regulation section of this Handbook.

Further information on all of these topics can be obtained from The Student Centre and from the Honours Policy, available at:

<https://goto.murdoch.edu.au/Honours>

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## STRUCTURE OF HONOURS DEGREES

Individual Honours course descriptions and requirements are detailed in the Bachelor and Honours Degrees section of this Handbook.

There are two kinds of Honours offered by the University:

- those which require completion of an additional 24 credit points to the ordinary degree ; and

- those which include a research dissertation of at least 12 credit points.

Each Honours student has an individual and distinctive Honours project and program of study, which must be approved by the School Dean following recommendation by the appropriate Honours Sub-Committee by the end of the third week of the first semester of the student's Honours enrolment. The Honours program of study details the thesis topic area, length, production component, submission date and supervisor(s); details of any coursework including credit points value, enrolment option, method(s) of assessment, and supervisor(s); and when each Honours component will be taken. The student shall be involved in drafting the Honours program of study and shall be given a copy of the program of study after its approval. The School Dean should also arrange to send a copy of the study program to the supervisor(s) of the thesis and to the supervisor(s) of any individualised components.

The amount of coursework varies considerably between Honours courses, ranging from zero to 12 credit points.

Where an Honours course requires completion of an additional 24 credit points, those points must be at 500-level, but may include up to 4 credit points at 200/300/400-level and up to 8 credit points at 600-level or above. This can include units offered by other courses or universities. (Honours students whose first degree is from another university cannot include units from other universities, as at least 24 Murdoch credit points are needed to take out a Murdoch degree.) Coursework may include individualised Honours components, but the terminology 'Independent Study Contract' is not applicable at Honours level.

Honours which require completion of an additional 24 credit points shall be completed within no more than three years, including periods of broken enrolment arising from exclusion, approved leave, non-enrolment or any other cause.

### Changes to the Honours Program of Study

Any change to the approved Honours program of study requires the approval of the student, supervisor(s), Honours Sub-Committee Chair and the School Dean.

### Honours Thesis

There are University guidelines on the format of Honours theses. These are available in the Honours Policy at:

<http://goto.murdoch.edu.au/Honours>

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## APPLICATION PROCESS

Applicants for Honours should apply online at:

<http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

or via The Student Centre.

Each School establishes its own minimum requirements for admission. Normally, completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Distinction average; subject to availability of a suitable supervisor and approval of the School Dean.

Applications for Honours for the following year close towards the end of November to ensure sufficient time for consideration by the School, however late applications may be accepted. Students completing their ordinary Murdoch degree mid-year may apply in May to commence Honours in Semester 2. Applicants are encouraged to check closing dates with The Student Centre or the relevant School.

All applicants are required to keep an original or certified copies of any documentation submitted as part of their application. This may be required at a later date or be requested by the University as part of any admissions review or audit.

Enquiries about entry to specific Honours courses should be directed to the Academic Chair.

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## WITHDRAWAL/APPROVED LEAVE/TRANSFERS/EXTENSIONS

Students wishing to withdraw from a component of an Honours course (or to postpone a component to another semester) should do so before the census date, as any changes after then will be recorded on their academic transcript, will incur fee liability and will not entitle them to extra time to complete their Honours. Withdrawals and failures in Honours components are taken into account when determining the final class of Honours, but neither necessarily disqualifies the student from graduating with Honours.

A student is permitted only one attempt at an Honours course within a disciplinary area or group of closely related disciplines. Where a student withdraws from the Honours course before the commencement of the second semester of enrolment (or third semester, in the case of a part-time student), this is not considered an attempt. Withdrawals after then are regarded as an attempt. Students who withdraw from Honours do not receive any academic credit towards Honours for any coursework already completed; there is only a total 24 credit points credited when Honours is awarded.

If a student needs to have a period of time away from their Honours enrolment, an application for Approved Leave should be submitted to The Student Centre. Approved Leave may be granted for a maximum period of two consecutive semesters. Students who are granted Approved Leave for one or two semesters will need to update their program of study. In some cases this may require changes to the components of the honours course, or of supervisor.

A student enrolled in one Honours course may apply for entry into an alternative Honours course within two weeks of commencing; if

offered a place, the student must withdraw from the initial Honours course before accepting the new offer.

The 'Approved Leave/Intermission of Study (Honours)' and 'Withdrawal from Murdoch University' forms are available at:

<http://goto.murdoch.edu.au/StudentForms>

# Graduate Studies: a General Guide

The following information should be read in conjunction with Study at Murdoch: A General Guide in this Handbook.

It is important that students also read the legislation relevant to their studies so that they are familiar with all of the requirements; for guidance refer to the University Regulation section of this Handbook.

Further information on all of these topics can be obtained from The Student Centre.

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## COURSES

### **Honours Degrees**

Course descriptions and requirements are detailed in the Bachelor and Honours Degrees section of this Handbook.

### **Graduate Certificates and Graduate Diplomas**

Course descriptions and requirements are detailed in the Graduate Courses section of this Handbook.

### **Graduate Coursework Degrees**

Course descriptions and requirements are detailed in the Graduate Courses section of this Handbook. Most Coursework Masters degrees include a dissertation or project.

### **Graduate Research Degrees**

Candidature is offered in all Schools. The University encourages research in inter-disciplinary areas as well as in the basic disciplines. Course requirements are detailed in the Graduate Courses section of this Handbook.

Doctoral Degrees are three-year degrees with a maximum enrolment of four years full-time equivalent.

Masters Degrees have a maximum enrolment of two years full-time equivalent.

The maximum enrolment periods are doubled for part-time candidates and are calculated on a pro rata basis for candidates mixing full-time and part-time candidature during their enrolment.

### **Professional Doctorates**

The University also offers Professional Doctorates by advanced coursework and thesis. Course descriptions and requirements are detailed in the Graduate Courses section of this Handbook.

The major differences between professional doctorates and the Doctor of Philosophy (PhD) are that the former include substantial coursework (a PhD normally includes minimal or no coursework), and that the thesis must make a distinctive contribution to the profession (a PhD thesis must make a distinctive contribution to the knowledge of the subject with which it deals).

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## ADMISSION REQUIREMENTS

Specific admission requirements for graduate courses are recorded in individual course descriptions.

### **English Competence**

The language of instruction is normally English; any variation is recorded in the offerings of relevant courses.

Unless otherwise specified in individual course admission requirements, all applicants will be required to provide satisfactory evidence of their competence in English, as per undergraduate admission: see Bachelor Studies: A General Guide. Graduate research degrees have higher English competency requirements: Academic IELTS 6.5 with no band less than 6.0 or Paper based TOEFL 550 (with a written test of English 5).

Some courses have specific English requirements over and above those required for general graduate study; these are recorded in individual course descriptions.

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## APPLICATION PROCESS

### **Domestic Applicants**

Domestic applicants are Australian citizens, permanent residents of Australia or New Zealand citizens. All other applicants should refer to the International Applicants information below.

Specific admission requirements may vary significantly by each course; specific admission requirements for graduate courses are recorded in individual course descriptions.

To facilitate the admissions process, all documents relating to the entry requirements of the course should be uploaded and submitted during the application process.

All applicants are required to keep an original or certified copies of any documentation submitted as part of their application. This may be required at a later date or be requested by the University as part of any admissions review or audit.

All applications should be submitted online to The Student Centre. Closing dates vary.

### **International Applicants**

International students may apply to enrol at the University as full-fee-paying students, paying the full cost of tuition for their chosen course. Most graduate courses are available for full-fee enrolment. Qualified students may apply to commence study in either Semester 1 (commencing mid February) or Semester 2 (commencing late July).

For information on how to apply, see:

<http://goto.murdoch.edu.au/EntranceRequirements>

Information on financial assistance can be obtained through Australian Government diplomatic posts overseas.

Further information on tuition fees, eligibility and application procedures can be obtained from the Future Research Students web site:

<http://goto.murdoch.edu.au/FutureResearchStudents>

Application forms are available at:

<http://goto.murdoch.edu.au/ApplicationForms>

Graduate Research Degree applicants must submit applications directly to the Graduate Research Office. More information on the process can be found at:

<http://goto.murdoch.edu.au/AdmissionApplnFormsResearch>

To facilitate the admissions process, all documents relating to satisfying the entry requirements of the course should be submitted during the application process.

All applicants are required to keep an original or certified copies of any documentation submitted as part of their application. This may be required at a later date or be requested by the University as part of any admissions review or audit.

### **Graduate Coursework Degrees**

Applicants for admission must normally hold a Bachelor's degree (AQF Level 7) or its equivalent in an area relevant to the proposed course. Entry to some graduate coursework qualifications requires satisfactory preparation for the course through previous studies and/or work experience. See individual course descriptions for more specific entry requirements.

Application deadlines for each course may vary, please review the admission information for each course to determine any additional deadlines or admission requirements.

### **Graduate Research Degrees and Professional Doctorates**

Applicants for admission to a research degree must normally hold at least an upper second-class Honours Bachelor's degree or its equivalent. Applicants with a Bachelor's degree only, but who have evidence of subsequent scholarly or professional attainments providing adequate research preparation, may also be considered. Applicants for admission to the Research Masters (with Training) must normally hold a Bachelor's degree and a graduate course requiring at least one year of full-time study or the equivalent of at least two years of full-time relevant professional experience or demonstrated relevant research capacity, or a four-year degree.

Applicants for Professional Doctorates must normally have completed a four-year qualification at an appropriate level (four-year Bachelor's degree, Master's degree, or Bachelor's degree and graduate diploma), and have satisfactory preparation including training in research methods. See individual course descriptions for more specific entry requirements.

Applicants for part-time study must submit a statement that they will be able to devote a minimum of 15 hours per week to their research in each year of their candidature.

Admission to research degrees without coursework is possible throughout the year. Enrolment in research degrees with a coursework component is dependent on the dates the coursework is on offer. The closing date for international Graduate Research Degree Scholarship applications is the end of September, and the closing date for domestic Graduate Research Degree Scholarship applications is the end of October prior to the year of admission. A mid-year scholarship application round may take place but is dependent on scholarships being available.

Further information on the application process for both international and domestic applicants, including application forms, is available at:

<http://goto.murdoch.edu.au/AdmissionApplnFormsResearch>

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## **ENROLMENT**

### **Graduate Coursework Degrees**

For information on enrolment (including re-enrolment, changes of unit enrolment, and enrolment options) refer to Study at Murdoch: A General Guide above.

Students may enrol in units from other graduate courses subject to meeting unit prerequisites and approval of the Academic Chair. Students need to ensure that their unit enrolment complies with the requirements of relevant legislation; see the University Regulation section of the Handbook for more information.

### **Dissertations**

In addition to completing coursework, candidates for most Master's degrees will be expected to complete some independent research and project work or practice related learning.

An extension to the timeframe for completion of a dissertation may be approved by the School Dean in exceptional circumstances, on the recommendation of the Academic Chair. Where an extension has been granted and the work is not submitted by the start of the following semester, the student must enrol for a minimum of three credit points for that semester. This does not gain additional credit towards the degree, but incurs tuition fee liability for that semester.

### **Withdrawal of Enrolment**

Graduate research students may discontinue their studies by formally withdrawing using the form provided by the Graduate Research Office.

Research candidature forms are available at:

<http://goto.murdoch.edu.au/ResearchCandidatureForms>

### **Independent Study Contracts**

Graduate coursework students may apply to undertake an Independent Study Contract; this requires the approval of the School Dean. Details of the procedure to be followed are above in Study at Murdoch: A General Guide.

Graduate research students should submit the Graduate Research ISC Application Form to the Graduate Research Office.

Research candidature forms are available at:

<http://goto.murdoch.edu.au/ResearchCandidatureForms>

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## **RESEARCH CANDIDATURE CONFIRMATION, ACADEMIC PROGRESS AND RE-ENROLMENT**

Graduate research students are required to meet the requirements for confirmation within 6 months of commencement of candidature for full-time PhD and MPhil (or 12 months for part-time enrolments).

During their candidature, graduate research students are required to submit Annual Progress and Interim Progress reports to the Graduate Research Office. Provided that progress has been satisfactory, students will be re-enrolled for the following year. Continued enrolment also depends upon the satisfactory completion of individual milestones.

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## **ASSESSMENT**

Unit Coordinators must provide to students, no later than the beginning of the relevant teaching period, a statement of the assessment requirements including assessment methods and weightings. The assessment and grading system used at graduate level is the same as that outlined above in Study at Murdoch: A General Guide.

# University Regulation

**Information in this Handbook reflects revisions to University regulations and policies that take effect on 1 January 2015.**

For 2014 information, see the 2014 Authoritative Handbook:

<http://handbook.murdoch.edu.au/>

Documents listed below will be of particular interest to students studying at Murdoch University. Most can be found in the Policy and Procedure Manager at:

<https://goto.murdoch.edu.au/PublicAccessPPM>

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## **Regulations**

- Conduct of Examinations Regulations
- Coursework Regulations
- Fees Regulations
- Graduate Research Degrees Regulations
- Higher Doctorate Regulations
- Student Appeals Committee Regulations
- Student Discipline Regulations
- Student Loan Regulations

## **Rules**

- Fee Rules Library Rules Rules for the Conduct of Examinations

## **Policies**

- Advanced Standing Policy
- Assessment Policy
- Conscientious Objection in Teaching and Assessment Policy
- Copyright Matters and Copyright Policy
- Electronic Messaging Policy
- Honours Policy
- Internet Use Policy
- IT Conditions of Use Policy
- Privacy Policy
- Responsible Conduct of Research Policy
- Student Appeals Policy
- Units Policy

## **Codes**

The University's Code of Ethics is a public statement of the ethical principles, values and behaviours expected of members of Murdoch University.

The University's Student Code of Conduct sets out standards of conduct and integrity that are consistent with the ethical values and behaviours specified in the Code of Ethics. It is intended to guide students to identify and resolve issues of ethical conduct that may arise. Attached to the Code of Conduct, the Murdoch University Student Charter sets out the standards of service that the University aims to provide to students.



# Fees and Financial Assistance

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## FEES LEGISLATION

The Fees Regulations provide details of Murdoch's fees and charges that can be imposed by the Fee Rules, and authorise the Vice Chancellor to decide all the subsidiary details.

The Fee Rules, the Fees Regulations, and Statute No. 22 - Fees may be found in the Policy and Procedure Manager at:

<https://goto.murdoch.edu.au/PublicAccessPPM>

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## TUITION FEES

The authority to charge tuition and administrative charges is contained in the Fee Rules, the Fees Regulations, and Statute No. 22 - Fees.

### Australian Students

Tuition fee details for each unit of study are available via the online Course Fee Calculator:

<http://goto.murdoch.edu.au/CourseFeeCalculator>

Payment of tuition fees is required by the Friday before the start of each semester/trimester. If fees remain unpaid as of the census date, the student's enrolment may be cancelled and a late payment fee may be payable.

### International Students

All international students, other than exchange students and New Zealand citizens, are required to pay the full cost of tuition.

The tuition fee payable by each student is as stated on the Letter of Offer. After the first semester of enrolment, payment of tuition fees is required by the Friday before the start of each semester/trimester. If fees remain unpaid at that date, the student's enrolment may be cancelled or a late payment fee may be payable.

If a student transfers to another course then they are liable for the tuition fees that apply to the new course at the rate applicable in the year of the transfer.

International students on a student visa must maintain a full-time study load of 12 credit points each semester and complete within the timeframes of their student visa. International students intending to modify their study load must confirm with their Academic Chair prior to any change.

### Unit Charges

In a small number of units students are required to pay a surcharge for special training or access to equipment, to purchase some of their own equipment (for example, a dissecting kit) for use during the unit, or to pay for their own food and accommodation at an optional field camp. Reference to this is made in the unit or course description. In addition, students are required to wear protective clothing and footwear in laboratories.

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## HIGHER EDUCATION LOAN PROGRAMME (HELP)

Most Australian Citizens and holders of permanent humanitarian visas are able to access loans to pay their tuition fees under the Higher Education Loan Programme (HELP). From 2013 to qualify for HELP support students must undertake to complete at least one unit from their course while resident within Australia.

New Zealand citizens and other permanent resident visa holders can only receive HELP in certain circumstances (under transitional arrangements for continuing students or for bridging courses for overseas-trained professionals).

HELP loans are repaid through the tax system on an income-contingent basis. The minimum HELP repayment threshold for compulsory repayments is \$53,345 in the 2014-2015 financial year. The HELP loan debt is indexed according to the CPI.

There are four types of HELP available for eligible students:

HECS-HELP - to assist eligible Commonwealth-supported students pay their student contribution;

FEE-HELP - to assist eligible fee-paying students pay their tuition fees;

OS-HELP - to assist eligible Commonwealth-supported students who wish to study overseas on exchange programs; and

SA-HELP - to assist eligible students to defer their Student Services and Amenities Fee.

All new Commonwealth-supported students must complete an online Commonwealth Assistance Form detailing their choice of support before the census date for their first unit of study. All students wishing to access a HECS-HELP loan must provide their Tax File Number. Failure to fill out the correct form, or failure to provide their Tax File Number if accessing loan assistance will result in cancellation of enrolment. When students transfer to a different course a new Commonwealth Assistance Form must be completed. Students can change their choice of support before the census date of a unit.

Domestic fee-paying students who wish to access FEE-HELP must complete an online Commonwealth Assistance Form and provide their tax file number before the census date for the unit of study.

More information about the HELP loans and eligibility criteria is available at:

<http://studyassist.gov.au/>

### HECS-HELP

All students admitted to a 'Commonwealth-supported place' at Murdoch are required to pay a 'student contribution amount' towards the costs of their course, unless they are exempt. Payment options for the student contribution amount is paid depend on a student's citizenship status.

Australian Citizens and permanent humanitarian visa holders are eligible for HECS-HELP assistance and can pay their student contribution in one of three ways:

Full up-front payment;

Partial up-front payment and obtain a HECS-HELP loan for the remainder; or

Obtain a HECS-HELP loan for the full amount.

Students who are an Australian citizen must complete at least one unit from their course whilst resident within Australia to qualify for HECS-HELP.

Permanent humanitarian resident visa holders must reside in Australia for the duration of their course (unless otherwise required by the course) to access HECS-HELP assistance.

New Zealand citizens, and Australian non-humanitarian permanent resident visa holders, are not eligible to defer their student contribution amount to HECS-HELP. They must pay their student

contribution amount to the university at the start of each semester. In addition, they must reside in Australia during the semester to maintain their eligibility for their Commonwealth-supported place, unless the requirements of their course include a period of study outside Australia.

Extensions to the payment date for Commonwealth-supported students are not permitted by Commonwealth legislation.

### **FEE-HELP**

Domestic Tuition fee-paying students are required to pay tuition fees. How the tuition fees are paid depends on a student's citizenship status.

Australian Citizens and permanent humanitarian visa holders are eligible for FEE-HELP assistance and can pay their student contribution in one of two ways:

Full up-front payment; or

Obtain a FEE-HELP loan for the full amount.

Students who are Australian citizens must complete at least one unit from their course whilst resident within Australia to qualify for FEE-HELP.

Permanent humanitarian visa holders must reside in Australia for the duration of their course (unless otherwise required by the course) to access FEE-HELP assistance.

Other permanent resident visa holders who are undertaking an eligible bridging course for overseas-trained professionals may access FEE-HELP assistance if they will be resident in Australia for the duration of the unit of study.

New Zealand citizens and other permanent resident visa holders are not eligible for FEE-HELP assistance.

There is a FEE-HELP lifetime limit of \$96,000 (2014 figure) for all courses except medicine, veterinary science and dentistry, for which the limit is \$120,000 (2014 figure).

A 25 percent loan fee is applied to FEE-HELP loans provided for undergraduate courses. The loan fee is not included in the lifetime limit.

### **OS-HELP**

OS-HELP provides financial assistance to eligible Commonwealth-supported students who undertake part of their course overseas. OS-HELP is distinct from HECS-HELP and FEE-HELP in that it involves a cash payment directly to the student receiving the loan. Only a limited number of OS-HELP loans are available and students are required to apply. Details on the application and selection process are available from The Student Centre.

### **SA-HELP**

SA-HELP is a loan scheme that assists eligible students to obtain a loan to pay for their Student Services and Amenities Fee. Students can choose to defer all or part of their fee for the relevant year.

The Student Services and Amenities Fee is a fee that universities and other approved higher education providers can charge for student services and amenities of a non-academic nature, such as sporting and recreational activities, employment and career advice, child care, financial advice and food services.

Australian citizens and permanent humanitarian visa holders are eligible for SA-HELP assistance. Students must complete at least one unit from their course while resident within Australia.

New Zealand citizens and other permanent resident visa holders are not eligible for SA-HELP assistance. Students are not eligible if they are in a not-for-award enrolment, or cross-enrolled at another university.

If students use SA-HELP, the amount will be added to their accumulated HELP debt. Students can take out a SA-HELP loan even if they do not wish to take out any other HELP loan.

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## **YOUTH ALLOWANCE/AUSTUDY/ABSTUDY**

Full-time students enrolled in an approved course could be eligible for the Commonwealth Government's Youth Allowance and Austudy schemes. Students of Aboriginal or Torres Strait Islander descent may apply for comparable assistance under the ABSTUDY scheme.

Further information about Youth Allowance, Austudy or ABSTUDY is available from the nearest Student Assistance Centre of Centrelink.

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## **MURDOCH STUDENT LOANS**

Students may apply for emergency cash loans of up to \$200 from the Murdoch Student Loan Fund. Such loans must normally be repaid within two weeks. Longer-term loans of up to \$1000 are also available from the Murdoch Student Loan Fund (repayable within one year). Application forms are available at The Student Centre for international and domestic students.

Loans are not given to assist in the payment of Murdoch University fees.

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## **SCHOLARSHIPS**

Murdoch offers a large variety of scholarships that provide support for undergraduate, Honours and graduate study, and cater for a range of different personal circumstances.

The majority of scholarship are for those in need of financial support, rather than for high achievers.

For information about the types of scholarships available, opening and closing dates and how to apply, visit the scholarships pages for:

Undergraduate, Honours and graduate by coursework:

<http://goto.murdoch.edu.au/Scholarships>

Research:

<http://goto.murdoch.edu.au/ResearchScholarshipsAppInForms>

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## **UNIVERSITY MEDALS**

Up to ten Medals may be awarded each year for outstanding academic performance by undergraduate students.

Medals are awarded to students who in that year completed an ordinary Bachelor degree, or an Honours degree not requiring an additional period of study than that for the ordinary degree. Students may only be considered for a University Medal once.

To be eligible, students must have completed at least 48 credit points of graded Murdoch University units, irrespective of the length of the degree. Students completing graduate-entry Bachelor degrees are eligible if the degree comprises at least 48 credit points.

University Medallists are chosen from among those who most consistently top their classes and have achieved a graduating course Grade Point Average of at least 3.25. Medallists shall receive a framed certificate, a silver medal and a cheque for \$1000.

Award of the Medal is recorded on the student's academic transcript, an honour board and the University web site:

<http://goto.murdoch.edu.au/UniversityMedallists>

The University Medals Policy can be found at:

<https://goto.murdoch.edu.au/policy/UniversityMedals>

### **VICE CHANCELLOR'S COMMENDATION FOR ACADEMIC EXCELLENCE**

This award recognises academic excellence amongst the students enrolled in the ordinary Bachelor's degree. Each student will be assessed on the completion of each year equivalent credit point threshold within a course attempt, however no student will be eligible to receive an award more than once for each 24 points completed.

Recipients have the award recorded on their academic transcript and are given a certificate to mark the achievement at a presentation ceremony.

### **SCHOOL PRIZES**

Prizes are usually awarded annually. Prizes for outstanding performance in a unit might be dependent upon offerings of the unit, and all prizes rely on continuity of sponsorship. Prizes might not be awarded every year and are subject to change without notice.

#### **No Specific School**

Kulbardi K-Track Commitment Prize	\$500	Kulbardi student who has successfully completed the program, who displays commitment to studies and involvement within the Kulbardi Centre community
Roberta Cowan Prize for Information Literacy	\$200	best demonstrated ability to effectively use the full resources of the Library, through interaction with Murdoch Reference and Information Librarians to develop research skills and achieve successful academic outcomes
Rodger Indigenous Award	\$2000	a first year (completed) indigenous student enrolled at any Murdoch University campus. Selection by Kulbardi Panel based on academic achievement and community contribution.

#### **School of Arts**

Alan Berryman Prize in Indonesian Language	\$250	best academic performance in IND361 Indonesian 3A
Asian Studies Prize	\$250	best grade point average in Part II Asian Studies units by a student graduating with an Asian Studies major
Barbara Buick Women's Electoral Lobby Prize	\$250	best academic performance in AST288 Women in Asian Societies
Business and Professional Women's Prize	\$300	best Honours thesis in a topic related to the interests of women
Channel Seven Best News Prize	\$250	best example of video journalism in a media unit
Communication and Media Studies Prize	\$250	most outstanding final year student in the discipline
Community Development Prize	\$250	best grade point average in Part II Community Development units by a student graduating with a first or second major in Community Development

Digital Media Prize	\$250	most outstanding final year student in the discipline
English Prize	\$250	best grade point average in English and Creative Writing or Theatre and Drama units by a student graduating with either of those majors
Geoff and Lyn Field Prize in Australian Studies	\$400	best Honours dissertation on an Australian topic
History Prize	\$250	best grade point average in Part II History units by a student graduating with a first or second major in History
Irene Searcy Prize in Literature	\$150	best academic performance in an essay in a Part II unit from either of the two majors English and Creative Writing or Theatre and Drama
Japan Chamber of Commerce and Industry Prize in First Year Japanese Language	\$250	best academic performance in JPN101 Japanese 1
Japan Chamber of Commerce and Industry Prize in Japanese History	\$250	best academic performance in HIS310 Modern Japanese History, HIS258 Soldiers and Civilians: War in the Pacific 1941-1945 or JPN514 Postwar Japan
Japan Chamber of Commerce and Industry Prize in Second Year Japanese Language	\$250	best academic performance in JPN201 Japanese 3, JPN202 Japanese 4 and JPN203 Japanese 5
Japan Chamber of Commerce and Industry Prize in Third Year Japanese Language	\$250	best academic performance in JPN363 Japanese IIIA and JPN364 Japanese IIIB
Journalism Prize	\$250	most outstanding final year student in the discipline
Philosophy Prize	\$250	best grade point average in Part II Philosophy units by a student graduating with a first or second major in Philosophy
Public Relations Prize	\$250	most outstanding final year student in the discipline
St Ephraim The Syrian (Mor Aphrem Suryoyo) Prize	\$250	best Honours dissertation in Theology
Terry Jones Memorial Prize in Philosophy	\$500	best performance in academic excellence and critical insight in either PHL206 Moral and Political Philosophy or POL342 Political Philosophy for Fun and Profit
The Australian Sociological Association (TASA) Prize in Sociology	\$100	the best honours thesis in Sociology or on a topic demonstrating a solid sociological perspective
The Reiko Ishikawa Award	\$300	best academic performance in Japanese Part I and Part II
Theology Prize	\$250	best grade point average in Part II Theology units by a student graduating with a first or second major in Theology
Tourism Prize	\$250	best grade point average in Part II Tourism units by a student graduating with a first or second major in Tourism
<b>School of Education</b>		
CS and DL Sanders Prize in Education	\$150	best academic performance in the Bachelor of Education at Pass or Honours level by a graduating student

Early Childhood Teachers' Association Prize	book voucher plus one year's membership to the Association (value \$155)	best academic performance in school experience and academic components by a student graduating in the Bachelor of Education (Early Childhood and Primary Teaching)
Early Years in Education Society Prize	one year's membership of the EYES	outstanding academic performance in the Graduate Certificate in Early Childhood Education
Elizabeth Mary Dodd Prize in Education	\$100	best academic performance in the Master of Education (Coursework) by a graduating student
School of Education Prize for Doctor of Education	\$250	best Doctor of Education dissertation in the past two years
School of Education Prize for Doctor of Philosophy (Education)	\$250	best Doctor of Philosophy dissertation in the past two years
School of Education Prize for Excellence in Primary Teaching	\$250	best academic performance in the final Professional Internship (Primary Teaching), both four-year and graduate-entry
School of Education Prize for Excellence in Secondary Teaching	\$250	best academic performance in the final Professional Internship (Secondary Teaching), both four-year and graduate-entry
Thelma Harley Brown Prize in Education	\$100	best academic performance in the Master of Education (Research) by a graduating student
WA Primary Principals' Association Prize	\$150	best academic performance in the Graduate Diploma in Education (Primary)
<b>School of Engineering and Information Technology</b>		
ACS Information Technology Project Prize	\$250	best academic performance in ICT333 Information Technology Project
Bowie Family Prize	\$250	best academic performance in Physics and Nanotechnology Part II core units, by an external student
Bureau Veritas Minerals Prize in Mineral Sciences	\$1000	best academic performance in ENG330 Mineral Processing II
Communications Expert Group (CEG) Prize	\$250	best academic performance in the Information Technology Management stream of the Master of Information Technology by a graduating student
Computer Science Staff Prize in Computer Programming	\$150	best academic performance in ICT167 Principles of Computer Science
David Muir Prize in Extractive Metallurgy	\$500	best academic performance in ENG458 Research Project and Thesis by a student in Extractive Metallurgy
Dr Daniel Berinson Engineering Prize	\$500	best grade point average in Industrial Computer Systems Engineering third and fourth year units
Engineers Australia Electrical College Max Shean Medal	\$300 plus silver medal	highest weighted average in second, third and fourth year of Electrical Power Engineering or Renewable Energy Engineering
Engineers Australia ITEE College Medal	\$300 plus silver medal	highest weighted average in second, third and fourth year of Industrial Computer Systems Engineering or Instrumentation and Control Engineering
Epichem Prize	\$300	best overall performance in CHE205 Organic and Biological Chemistry I and CHE349 Molecular Design

Frank Gillespie Memorial Prize in Physics/Nanotechnology	\$150	best academic performance in the final year of the Physics and Nanotechnology major
Global Industry Development Network Prize	\$1000	best academic performance in the Master of Renewable Energy
Graduate Three Minute Thesis Presentation Highly Commended	\$500	high achievement in the Three Minute thesis presentation by a graduate student in the School of Engineering and Information Technology
IEEE WA Section University Student Award	\$250	best research project in ICT219 Intelligent Systems
Independent Metallurgical Operations Prize in Mineral Resources	\$1000	best academic performance in CHE459 Financial Management, Mineral Resources and Environment; or equivalent unit
Independent Metallurgical Operations Prize in Process Mineralogy	\$1000	best academic performance in ENG205 Process Mineralogy
Industry Selected Games Design and Programming Prize	\$200	best project in ICT290 Games Design and Programming
Information Technology Staff Prize	\$250	best academic performance in the Information Technology Management stream of the Masters of Information Technology, by a graduating student
Institution of Engineering and Technology (IET) Prize	certificate plus 2 years' membership upon graduation (value \$500)	best academic performance in ENG453 Engineering Law, Management and Ethics by a Bachelor of Engineering Honours student
Jim Ellis Prize for Best Information Technology Graduate	\$250	best academic performance by a student graduating with an Information Technology major
Julie Shuttleworth Prize in Mineral Processing	\$300	best academic performance in EXM301 Mineral Processing I
Kerry Searcy Prize in Chemistry	\$150	best academic performance in Semester 1 of CHE144 Foundations of Chemistry by a Chemistry student
Mathematics and Statistics Staff Prize	\$150	best academic performance in Mathematics Part II units by a student graduating in Mathematics and Statistics
Nelly Stothers Bayliss Prize in Chemistry	\$250	best academic performance in Honours in Chemistry by a graduating student
Nicholas Searcy Prize in Analytical Chemistry	\$150	best academic performance in CHE340 Instrumental Analysis
Nicholas Searcy Prize in Applications of Nanotechnology	\$150	best academic performance in PEN261 Applications of Nanotechnology
Nicholas Searcy Prize in Applied Mathematics	\$150	best academic performance in MAS182 Applied Mathematics
Nicholas Searcy Prize in Electromagnetism	\$150	best academic performance in PEN332 Electromagnetism
Nicholas Searcy Prize in Modern Physics	\$150	best academic performance in PEN231 Modern Physics
Nicholas Searcy Prize in Organic Chemistry	\$150	best academic performance in CHE349 Molecular Design
Nicholas Searcy Prize in Physics	\$150	best academic performance in PEN152 Principles of Physics
Nicholas Searcy Prize in Physics of Materials	\$150	best academic performance in PEC317 Physics of Materials

Nicholas Searcy Prize in Thermodynamics	\$150	best academic performance in PEN202 Thermodynamics for Physics and Nanotechnology
Occasional Prize in Engineering	\$500	most outstanding performance in studies towards the Bachelor of Engineering Honours; an occasional prize awarded at the discretion of the School
Outstanding Achievement in First Year Engineering	\$250	best academic performance in first year Engineering units
Outstanding Achievement in Second Year Engineering	\$250	best academic performance in second year Engineering units
Outstanding Achievement in Third Year Engineering	\$250	best academic performance in third year Engineering units
Patricia Searcy Prize in Chemistry	\$150	best academic performance in Semester 1 of CHE140 Fundamentals of Chemistry
Peter Caffin Prize for IT Professional Practice	\$250	best academic performance in ICT521 IT Professional Practice
Philip Searcy Prize in Chemistry	\$150	best academic performance in Semester 2 of CHE144 Foundations of Chemistry by a Chemistry student
Physics/Physics and Nanotechnology Prize	\$250	best academic performance in the Bachelor of Science in Physics or Physics and Nanotechnology by a graduating student
Physics/Physics and Nanotechnology Staff Prize	\$250	best academic performance in the first year of Part II of the Physics and Nanotechnology major
Professor Pritam Singh and Juginder Kaur Prize in Fundamental Chemistry	\$250	best academic performance in the units CHE144 Foundations of Chemistry and CHE145 Introduction to Chemical Concepts, completed in the same year
Professor Pritam Singh and Juginder Kaur Prize in Physical Chemistry	\$250	best academic performance in the units CHE202 Physical Chemistry I and CHE207 Chemical Analysis, completed in the same year
Royal Australian Chemical Institute Prize	\$500	best academic performance in the Bachelor of Science in Chemistry by a graduating student
Sardar Gurdit Singh and Sardani Sunder Kaur Memorial Prize in First Year Chemistry	\$150	best grade point average in the Bachelor of Science in Chemistry units CHE144 Foundations of Chemistry and MAS182 Applied Mathematics, completed in the same year
Sardar Gurdit Singh and Sardani Sunder Kaur Memorial Prize in Second Year Chemistry	\$150	highest overall mark in CHE205 Organic and Biological Chemistry I, CHE207 Chemical Analysis and CHE202 Physical Chemistry I, completed in the same year
Sardar Gurdit Singh and Sardani Sunder Kaur Memorial Prize in Third Year Chemistry	\$150	best grade point average in the Bachelor of Science in Chemistry by a graduating student
SGS Minerals Services Prize in Mineral Science for External Students	\$500	best academic performance in any two Part II Mineral Science required units taken in external mode in any one year, by an external student enrolled in Mineral Science or Extractive Metallurgy majors
Undergraduate Prize in Energy Studies	\$250	best academic performance in the Bachelor of Science in Sustainable Energy Management by a graduating student
Vanessa Searcy Prize in Chemistry	\$150	best academic performance in Semester 2 of CHE140 Fundamentals of Chemistry

Walter and Marie Tauss Prize in Calculus and Matrix Algebra	\$150	best academic performance in the OUA unit MAS130 Calculus and Matrix Algebra
West Australian Mining Club Prize in Mineral Science	\$500	best academic performance in ENG193 Introduction to the Minerals Industry
<b>School of Health Professions</b>		
Adam Charlton Memorial Perseverance Award	\$500	the student who, despite personal challenges during the course of the degree, has persevered with full-time study and completed the requirements of the course
Booragoon Radiology Excellence in Imaging Interpretation Award	\$500	best overall performance in imaging interpretation in the third to fifth years of Chiropractic, by a final year student
Chiropractic and Osteopathic College of Australasia Dux of Fifth Year Chiropractic Science	\$2500, plaque, free COCA membership for 1 year and free admittance to COCA seminars and National Conference for one year	best academic performance in Chiropractic Science by a final year student
Chiropractic and Osteopathic College of Australasia Dux of First Year Chiropractic Science	\$1000 plus one year's complimentary membership of COCA	best academic performance in Chiropractic Science by a first year student
Chiropractic and Osteopathic College of Australasia Dux of Fourth Year Chiropractic Science	\$1000 plus one year's complimentary membership of COCA	best academic performance in Chiropractic Science by a fourth year student
Chiropractic and Osteopathic College of Australasia Dux of Second Year Chiropractic Science	\$1000 plus one year's complimentary membership of COCA	best academic performance in Chiropractic Science by a second year student
Chiropractic and Osteopathic College of Australasia Dux of Third Year Chiropractic Science	\$1000 plus one year's complimentary membership of COCA	best academic performance in Chiropractic Science by a third year student
Chiropractic Education Australia Ltd Prize	\$500 voucher	best clinical excellence and judgement demonstrated by a final year Chiropractic student
Chiropractors' Association of Australia (WA) Ltd - The Marcia Cerutti Award	\$500 framed certificate plus 12 months' CAA (WA) Membership	excellence in practical application in the clinical setting at the Chiropractic Outpatient clinic in CHI584 Clinical Practicum
Chiropractors' Association of Australia (WA) Ltd - The Miriam Minty Award	\$500 framed certificate plus 12 months' CAA (WA) Membership	commitment to the community and student body in the service of chiropractic, by a student completing CHI584 Clinical Practicum
Chiropractors' Association of Australia (WA) Ltd - The Ross Gilmore Award	\$500 framed certificate plus 12 months' CAA (WA) Membership	best academic performance in radiology in CHI586 Decision Making in Clinical Imaging and other radiology streams
Chiropractors' Association of Australia (WA) Ltd - The Shirleigh and Douglas Winter Award	\$500 framed certificate plus 12 months' CAA (WA) Membership	best academic performance in the five years of coursework in Chiropractic
Chiropractors' Association of Australia - National Chiropractic Graduate of the Year	\$1000 plus membership of the CAA in the first year of practice plus a framed certificate	outstanding performance in leadership and academic and clinical excellence in CHI584 Clinical Practicum
Nexus Wealth Prize in Professional Practice Management	\$250	best academic performance in CHI519 Professional Practice Management
P&N Bank Prize in Applied Psychology for Nurses	\$250	best written assignment in NUR258 Applied Psychology for Nursing Practice
P&N Bank Prize in Complex Nursing Care	\$250	best academic performance in NUR305 Complex Care



P&N Bank Prize in Indigenous Health	\$250	best academic performance in NUR152 Indigenous Health
Sports Chiropractic Australia 'Graduate Award'	\$500, framed certificate, one year's membership to Sports Chiropractic Australia	excellence and professionalism when representing chiropractic through sport, plus a positive contribution to the development and advancement of chiropractic
St John of God Healthcare Prize in Nursing	\$250	greatest academic improvement between NUR203 Acute Care 1 and NUR205 Acute Care 2 by a second year student

### School of Law

Australian Finance Conference Prize	\$300	best academic performance in LAW332 Commercial Law
Australian Insurance Law Association Prize for Insurance Law	\$500	best academic performance in LAW319 Insurance Law
Chamber of Commerce and Industry WA Prize in Migration Law - Semester 1	\$500	best academic performance across all four units in the Graduate Certificate in Australian Migration Law and Practice in Semester 1
Chamber of Commerce and Industry WA Prize in Migration Law - Semester 2	\$500	best academic performance across all four units in the Graduate Certificate in Australian Migration Law and Practice in Semester 2
Culshaw Miller Lawyers Prize in Evidence	\$150	best academic performance in LAW252 Evidence
Eldon Prize in Equity	\$600	best academic performance in LAW351 Equity and Trusts
Francis Burt Chambers Law Medal	\$1500 plus a commemorative gold medal	highest academic achievement in Law
Herbert Smith Freehills Prize in Resources Law	\$200	best academic performance in LAW335 Mining and Natural Resources Law
Industrial Relations Society of Western Australia Prize	\$250 plus one year's membership	best academic performance in BUS222 Employment Relations and BUS228 Workplace Law, completed in the same year, by a student with an interest in industrial relations
King & Wood Mallesons Prize in Civil Procedure	\$500	best academic performance in LAW450 Civil Procedure
Kott Gunning Annual Innovation Law Prize	\$500	best academic performance in LAW381 Supervised Legal Research
Mony de Kerloy Prize in Environmental Law	\$250	best academic performance in LAW356 Environmental, Sustainability and Climate Change Law
Paterson and Dowding Prize in Family Law	\$500	best academic performance in LAW370 Family Law
Ronald Wilson Prize in Law	\$500	the graduand who best combines distinguished academic performance in Law units with qualities of character, leadership and all-round contribution to the life of Murdoch University
Sarah Meddin Memorial Prize in Legal Theory	\$250	best academic performance in LAW301 Legal Theory
Shine Lawyers Prize for Torts	\$500	best academic performance in LLB152 Torts
STEP Western Australia Prize	\$250	best overall essay mark for both LAW351 Equity and Trusts and LAW345 Succession Law

### School of Management and Governance

AHRI Human Resources Prize	AHRI membership (value \$275)	best academic performance in the unit BUS320 Advanced Human Resource Perspectives by a student enrolled in the Bachelor of Commerce or Bachelor of Business
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AHRI Master of Human Resources Prize	AHRI membership (value \$275)	best academic performance in the unit MBS555 Human Resource Management Perspectives by a student in any graduate Human Resource Management course
Australian Taxation Reporter Prize	12-month subscription to Australian Taxation Reporter (value \$360)	best academic performance in the Master of Professional Accounting unit MBS614 Taxation
Chamber of Commerce and Industry MBA Prize	\$500	best academic performance in the Master of Business Administration by a graduating student
Chamber of Commerce and Industry Prize in Economics	\$300	best academic performance in the Economics degree final year
Chamber of Commerce and Industry Prize in Human Resource Economics	\$200	best academic performance in BUS375 Human Resource Economics
Chartered Accountants Australia New Zealand Prize	\$500	best academic performance in the Accounting major by a graduating student
Chinese Language Prize	\$250	best academic performance in a Part II Chinese language unit
CPA Australia Prize for the Best Graduating Student in Accounting	one CPA Professional Segment, first year Associate Membership and MEPA Assessment (total value \$1295)	best academic performance in completing the requirements for admission to CPA Australia by a graduating student
CPA Australia Prize in Contemporary Financial Accounting	one CPA Professional Segment, first year Associate Membership and MEPA Assessment (total value \$1295)	best academic performance in BUS256 Contemporary Financial Accounting
CPA Australia Prize in Technology and Accounting Processes	one CPA Professional Segment, first year Associate Membership and MEPA Assessment (total value \$1295)	best academic performance in BUS285 Technology and Accounting Processes
Department of Employment Prize in Macroeconomics A	\$500	best academic performance in BUS289 Macroeconomics A
Department of Treasury Honours Prize	\$500	best academic performance in MBS597 Contemporary Advances in Economics: Theory and Applications - Honours
Economic Society of Australia (WA Branch) Honours Prize	\$250 cheque presented at AGM	best academic performance in Honours in Economics by a graduating student
Economic Society of Australia (WA Branch) Prize	\$250 cheque presented at AGM	best first year student in Economics
Frontier Software Prize	\$150	best academic performance in MBS555 Human Resource Management Perspectives
Institute of Public Accountants Prize in Master of Professional Accounting - Practice	Institute membership (value \$315)	best academic performance in MBS678 Corporate Accounting
Institute of Public Accountants Prize in Master of Professional Accounting - Theory	Institute membership (value \$315)	best academic performance in MBS679 Accounting Theory and Governance; a student may only be awarded the prize once
Institute of Public Administration Australia Prize	membership and voucher	best academic performance in POL246 Public Policy Analysis
John and Bella Perry Prize in Commerce	\$150	best academic performance in any year of study in undergraduate Commerce, for a student residing in the Peel region
Michael Booth Sustainable Development Honours Prize	\$300	best Honours thesis in Sustainable Development

Michael Booth Sustainable Development Undergraduate Prize	\$300	best grade point average in Sustainable Development by a graduating student
O'Byrne Prize in Finance	\$500	best academic performance in the Part II Core Units of the Finance major
Office of the Auditor General Prize in Auditing	\$300	best assignment in BUS312 Auditing
Oxfam Australia Prize in International Sustainable Development	\$250	best academic performance in SWM511 Theories of Development by a student enrolled in the Graduate Certificate or Master of Development Studies
Paypac Prize in Accounting	\$250	best academic performance in BUS310 Accounting Theory and Accountability
Politics and International Studies Prize	\$250	best grade point average in Part II units of the Politics and International Studies major by a graduating student
Professor Paul Miller Memorial Prize	\$250	best academic performance in MBS686 Economics and Business Strategy
RK O'Connor QC Prize in Taxation	\$200	best academic performance in the undergraduate unit BUS313 Taxation
Sustainability Prize	\$250	best academic performance in SUS100 Introduction to Sustainable Development by a student enrolled in the Bachelor of Arts in Sustainable Development
Terrorism and Counterterrorism Prize	\$250	best grade point average in Part II units of the Security, Terrorism and Counterterrorism Studies major by a graduating student

### School of Psychology and Exercise Science

Andrea Fernandes Memorial Prize in Psychology	\$250	best aggregate score in fourth year coursework by a student graduating in Bachelor of Psychology or Psychology Honours
Australian Psychological Society Prize	membership of the APS	best academic performance in the final year of Bachelor of Psychology, Honours in Psychology or Graduate Diploma in Psychology
HBF Run for a Reason Sport Psychology Award	\$250	best academic performance in EXS201 Sports Psychology
Introduction to Applications of Psychology Prize	\$250	best academic performance in PSY171 Introduction to Applications of Psychology
Introduction to Psychological Research Methods Prize	\$250	best academic performance in PSY173 Introduction to Psychological Research Methods
Introductory Psychology Prize	\$250	best academic performance in PSY141 Introduction to Psychological Science
Most Promising First Year Psychology Student	\$250	best academic performance in the three Part I Psychology units offered at Kaplan Higher Education Institute, Singapore
O'Byrne Prize in Psychology and Social Justice	\$250	best fourth year thesis in Bachelor of Psychology, Honours in Psychology or Graduate Diploma in Psychology, in the area of psychology and social justice
Orbit Fitness Functional Rehabilitation Award	\$250	best academic achievement and participation in EXS328 Physical Assessment and Rehabilitation
Orbit Fitness Strength and Conditioning Award	\$250	best academic achievement and participation in EXS103 Strength and Resistance Training

Psychology High Achievement Award (Singapore)	\$250	best academic performance in a Bachelor of Arts by a student studying Psychology at Kaplan Higher Education Institute, Singapore
<b>School of Veterinary and Life Sciences</b>		
ACVSc Diana Pinch Memorial Epidemiology Award	\$250	best academic performance in Epidemiology in the veterinary undergraduate program
Adamson Prize in Equine Medicine and Surgery	\$300 and engraved wooden box	greatest proficiency in the unit VET543 Advanced Topics in Equine Practice
Amanda Young Leadership Prize	\$1000	best combination of leadership, academic performance and potential for contribution to the environment demonstrated by a graduating student
Amanda Young Study Award	\$500	greatest academic improvement from ENV102 Foundations of the Environment to ENV241 Ecology
Ann Osborn Memorial Prize in Biotechnology	\$150	best academic performance in Biotechnology by a student graduating in the Bachelor of Science Honours
Australian and New Zealand College of Veterinary Scientists Veterinary Pharmacology Prize	\$200 and a testamur	best academic performance in VET345 Veterinary Pharmacology
Australian Small Animal Veterinary Association Award for Clinical Proficiency	engraved stethoscope (approximate value \$250+)	best performance in the units VET452 Small Animal Medicine, VET457 Small Animal Surgery and small animal medicine final year clinical rotations combined
Australian Society for Parasitology Prize for Parasitology in Animal Science	\$400	best academic performance in ANS356 Animal Parasitology
Australian Society for Parasitology Prize for Parasitology in Biomedical Science	\$400	best academic performance in BMS364 Parasitology
Australian Society for Parasitology Prize for Parasitology in Veterinary Science	\$400	best academic performance in VET344 Veterinary Parasitology
Australian Veterinary Association Prize for Undergraduates	\$200	most outstanding student in Veterinary Pathology, based on performance in the unit VET343 Veterinary Diagnostic Pathology and VET340 Processes in Animal Disease and membership of the AVA
AVA (Australian Veterinary Association) Student Award	certificate and a subscription for one year to AVA	academic achievement and participation in student affairs by an AVA student member
Bernard J McSherry Prize in Veterinary Clinical Pathology	\$250	highest achievement in academic and applied aspects of Veterinary Clinical Pathology in Applied Veterinary Medicine
BMT Oceanica Consulting Prize	\$1000	best academic performance in ENV381 Coastal and Marine Management
Celina Alexis Chua Award	\$250	best academic achievement and practical laboratory aptitude in VET457 Small Animal Surgery
Cenvet Shining Star Dux Award	\$500 and an engraved medal	best academic performance in Bachelor of Science (Veterinary Biology) and Bachelor of Veterinary Medicine and Surgery by a final year student
Charles and Elaine Schug Memorial Prize in Wildlife Medicine	\$250	academic ability and outstanding commitment to the field of wildlife medicine
Dean's Award in Animal Science	\$250	the student with the highest average mark in the Part II units comprising the Major

Dean's Award in Biomedical Science	\$250	the student with the highest average mark in the Part II units comprising the Major
Don G Nickels Communication and Leadership Prize	\$600	professionalism, communication skills and leadership qualities indicating future success, as nominated by practising veterinarians
Emilio Balzarini Equine Prize	\$500	academic performance, participation, interest and commitment to equine activities both in the School and externally; awarded in fifth year
Emrys Grimley Memorial Prize in Biological Sciences	\$150	best academic performance in BIO152 Foundations of Cell and Molecular Biology and BIO103 Introduction to Environmental Biology, completed in the same year
EPA Prize in Conservation Biology	\$500	best grade point average in core units of Conservation and Wildlife Biology by a student graduating in that major
Equine Veterinarians Australia Zoonoses Prize	\$250	best academic performance in Zoonoses in VET442 Animal Systems III
Equine Veterinary Association (EVA) Prize	complete set of Bain-Fallon proceedings plus 1 year EVA membership	best academic performance in VET454 Equine Practice and equine core clinical rotations
Foundation Pathologists Prize	\$250	best academic performance in third year general pathology and fifth year pathology rotations combined
Hill's 'Buddy' Award	\$500	best all round performance in Small Animal Medicine and General Practice
Kellenberger/Gawanab Prize	\$250	academic performance, enthusiasm, application, and attitude to fellow students
Marilyn Alder Award for Clinical Proficiency	\$400	best fifth year clinical proficiency across a variety of species
Marine and Freshwater Research Laboratory Prize in Oceanography	\$250	best academic performance in ENV244 Oceanography and Marine Pollution
Microbiology Prize	\$500	best project in BIO364 Microbiology II
Milne Agrigroup Prize in Animal Nutrition	\$300	best academic performance in VET346 Veterinary Nutrition and Animal Toxicology
Murdoch University Environmental Science Association (MUEnSA) Prize for Ecology	\$200	best academic performance in ENV241 Ecology
Murdoch University Environmental Science Association (MUEnSA) Prize for Introduction to Environmental Science	\$200	best academic performance in ENV102 Foundations of the Environment
Murdoch University Environmental Science Association (MUEnSA) Prize for Managing Wetlands and Water	\$200	best academic performance in the wetlands project in ENV311 Managing Wetlands and Water
Norbrook VetPrac Prize	\$500 plus VetPrac workshops surgical training voucher valued at \$2500	best clinical placement essay by a fifth year veterinary student
Ozgene Prize	\$350	best academic performance in BMS368 Advances in Medical Science
Principal's Prize for Service to the College of Veterinary Medicine	\$250	most outstanding contribution to the life of the College of Veterinary Medicine
ProVet WA Prize	\$350	best academic performance in fourth and fifth year of Veterinary Science

Richard Lee-Gray Memorial Prize	\$400	the student who has demonstrated greatest potential for success as a rural practitioner
Rosslyn Tilbury Prize in Forensic Toxicology	\$250	best aggregate mark in BIO314 Forensic Toxicology and CHE340 Instrumental Analysis studied concurrently
Royal Canin Companion Animal Welfare Award	\$250	best essay in companion animal welfare in the unit VET342 Animal Systems II
Sardar Gurdit Singh and Sardarni Sunder Kaur Memorial Prize in Environmental Monitoring	\$250	best academic performance in ENV558 Environmental Monitoring
Sardar Gurdit Singh and Sardarni Sunder Kaur Memorial Prize in Environmental Restoration	\$250	best academic performance in ENV324 Environmental Restoration
Stan Jones Memorial Prize in Clinical Pathology	\$400	fifth-year student demonstrating initiative, interest and commitment to clinical pathology activities both in the School and externally; awarded by staff nomination
Student Prize for Best Farm Practical	\$250	most outstanding written farm report, demonstrating an understanding of and interest in production animal systems in VET429 Veterinary Professional Life III
Sue Dilley Memorial Award	\$500	highest overall mark in VET242 Animal Systems I
Tenix Australia Prize in Environmental Science	\$300	best project in Waste Management in the fourth year of Environmental Science
Tom Edwards Award for Animal Welfare Science	\$250	best essay in enhancing animal welfare through science, in the unit VET342 Animal Systems II
Triangle Engineering Emergency Clinical Rotation Essay Prize	\$250	best essay in the Emergency Clinical Rotation essay competition and the best practical achievement in Emergency Clinical Rotation as part of VET586 Small Animal Practice II
University of Sydney Centre for Veterinary Education Prize for Clinical Competency	continuing education to the value of \$1000	best academic and practical achievements in the unit VET587 Production Animal, Public Health, Pathology (Anatomical and Clinical) Core Clinical Rotation
Unusual Pet Vets Prize	\$250	final year student who has shown outstanding interest and commitment in the field of exotic pet medicine and surgery
Water Corporation Prize for Water and Earth Science	\$250	best academic performance in ENV243 Water and Earth Science
Water Corporation Prize for Water Conservation and Auditing	\$250	best academic performance in ENG341 Water Conservation and Auditing; a student may only be awarded the prize once
Wellard Rural Exports Animal Welfare in Production Animals	\$500	academic performance, participation, interest and enthusiasm in animal welfare issues in the production animal industries over all years in the course, both in the School and externally
West Australian Pork Industry Award for Excellence in Animal Welfare	\$250	best porcine welfare essay in VET342 Animal Systems II by a second year veterinary student
Wildflower Society of WA (Murdoch Branch) Prize	\$200 in books	best academic performance in BIO245 Plant Diversity
WSA and JE Gordon Memorial Prize	\$250	best academic performance in second, third and fourth year in Veterinary Biology/Applied Veterinary Medicine

# Murdoch University Student Charter

Source: Attachment to the Student Code of Conduct:

<http://goto.murdoch.edu.au/StudentCharter>

## **Purpose of the Student Charter**

This Charter sets out the standards of service which the University aims to provide you as a student. The University is committed to aiming for the highest quality possible and this Charter is one way of outlining that commitment to you. The Charter aims to inform both you the student, and the University staff, of the reasonable expectations you may have of the services provided by Murdoch University, regardless of your location, and of the responsibilities which are placed on you as a student. This information will help you to ensure that you make the most of the opportunities the University provides. If you believe that any service provided by the University is less than adequate the University provides you with avenues (detailed in related websites appended to this Charter) to offer constructive criticism to improve it. A strong student contribution is an important part of the University's general strategy for client focus and continuous improvement.

It is important to note that the Charter is not intended to be the source of enforceable obligations. Rather, the Charter acts as a ready reference to your expectations and obligations, and to assist you in understanding the environment in which you are participating. The expectations and obligations summarised in the Charter are sourced from provisions of the *Murdoch University Act* and the statutes, rules, policies and procedures made pursuant to the Act. The statements outlined within this Charter complement but should not be regarded as replacing, adding to or interpreting those sources.

## **The University's Commitment**

The University is committed to the ideals of excellence in performance and freedom of expression within the boundaries of academic scholarship. Achieving these ideals requires high standards of behaviour, diligence, perseverance and professionalism from both staff and students. Under the Australian Constitution there is an implied freedom to discuss public and political matters, consistent with the values and goals of an open and democratic society. However, Murdoch students studying in other jurisdictions are subject to, and expected to be respectful of, the law of the land in their respective locations.

Murdoch University is committed to providing students with an excellent post-secondary education and ensuring that all who study through the institution benefit as much as possible from the experience. This commitment is reflected in the provision of a broad range of educational opportunities at the tertiary level of study in a variety of modes; in teaching and supervision that reflects the aim for excellence; in the provision of modern, relevant and efficient facilities for on campus students; in the special attention paid to equity groups; and in the general care and attention to the interests of all students, both collectively and individually. Students can expect to be offered considerable support and assistance as they take responsibility for their progress through their studies.

The University endeavours to offer education of such a standard that, both nationally and internationally, each Murdoch University award will receive recognition at least equal to similar awards from other Australian tertiary institutions. Moreover, the University will endeavour to offer courses that will match the purposes for which they are intended, while satisfying the requirements of professional societies and other regulatory bodies. The purpose will be made explicit in clear statements of course aims, so that your reasonable expectations and needs can be met. Further, you can expect to complete the course in which you are enrolled in the format

described in official University publications, providing you make satisfactory progress, and complete the course within the guidelines given by the University.

## **Potential Students' Information and Access**

As a potential student you will have reasonable access to current and accurate information about available University courses, application and admission procedures, the skills recognition policy (credit transfer and recognition of prior learning), and financial implications, prior to the enrolment period.

Students are selected for admission into Murdoch University by fair and open procedures with published criteria outlining right of entry for all levels of candidacy. The principles upon which selection decisions are made will be stated clearly on the Murdoch University, website and materials, the TISC guide and other materials, and those of other relevant providers, and will be adhered to by the University.

## **Provisions for Murdoch University Students**

As a Murdoch University student you can expect to:

- on commencement be provided with a suitable orientation to your course and the University, with where appropriate provision for students from Australia and for international students;
- have access to accurate advice and assistance on matters relevant to your study including course and unit information, financial commitments associated with your study and an accurate University Calendar by commencement of the academic year or study period;
- have accurate records of your personal details and study at the University kept confidential and secure in line with the University's Privacy Policy;
- study in an environment which is protected by relevant University policies that deal with harassment and discrimination as stipulated by relevant Australian State and Federal Anti-discrimination legislation. If alleged harassment or discrimination occurs then the procedures for resolution of these grievances, available on the University website, will be followed;
- have your unit results determined and recorded accurately, and conveyed to you as soon as possible;
- have your academic achievements recognised through graduation or other appropriate ceremonies;
- have reasonable access to University facilities of an appropriate standard for all students;
- be provided with academic learning materials in an appropriate format in a reasonable time, if you have requested this through the appropriate University Disability support facility;
- be provided with appropriate support for your disability by the reasonable adjustment to facilities and services where necessary;
- in areas where Murdoch University has control, be provided with a safe and secure campus, in both buildings and grounds, to ensure your safety;
- be provided with equality of entitlements regardless of sex, ethnicity, race, religion, political belief, pregnancy, age, disability, sexual orientation, gender history, marital status, family responsibility, or background;
- have your queries, concerns and complaints about your studies, facilities or services addressed fairly and efficiently, using the grievances procedures where appropriate;

have the opportunity to be members of a student organisation which represents students' interests and is involved in any matters that affect students; and

have reasonable access to a range of support and information services including: personal counselling; career counselling; study skills assistance; disabilities information and support; employer liaison; and accommodation advice.

### **Murdoch University Students' Responsibilities**

As a Murdoch University student you are expected to:

make yourself aware of, and comply with, University rules, regulations and all other procedures pertaining to your rights and responsibilities;

participate actively and positively in the educational processes of the University and provide constructive feedback on the teaching and learning environment to help staff to improve the learning experience;

meet assessment and administrative deadlines;

submit your own honest work with appropriate referencing, being aware of your responsibilities regarding proper use of copyright material;

prepare adequately and attend lectures and other sessions as scheduled and required;

raise questions or concerns about any aspect of your study including learning support or any special accommodations required with the appropriate person in a respectful manner and within a reasonable time frame; and

treat staff and other students with respect and courtesy, being aware of their equality of entitlements regardless of sex, ethnicity, race, religion, political belief, pregnancy, age, disability, sexual orientation, gender history, marital status, family responsibility, or background.



# Graduate Attributes

Source:

<http://goto.murdoch.edu.au/GraduateAttributesStudents>

Graduate Attributes are the generic skills and attitudes that all undergraduate students are expected to develop during their studies. Murdoch University has adopted a set of nine Graduate Attributes that are further divided into sub-attributes. These Attributes reflect the vision of the University and are considered important for enhancing lifelong learning, social awareness and employability in its graduates. The development of these Attributes begins in the compulsory first year Foundation Units, and the University is working to ensure their integration across the curriculum in all undergraduate degree courses.

Each course can interpret and address the Attributes in keeping with the intellectual and pedagogic needs of the discipline. Thus, in some courses, certain Attributes may be covered in more depth and feature more in assessment. It is intended that the Attributes be scaffolded across the core units in all courses, and that collectively the core units develop or expose students to all of the Graduate Attributes and sub-attributes. It is expected that each undergraduate unit include a statement of the Graduate Attributes developed in that unit.

The nine attributes of a Murdoch graduate and the subattributes:

## Communication

The ability to communicate effectively and appropriately in a range of contexts using communication, literacy, numeracy and information technology skills.

- Speaking skills
- Listening skills
- Reading skills
- Writing skills
- Numeracy skills
- Information and communication technology skills

## Critical and creative thinking

The ability to collect, analyse and evaluate information and ideas and solve problems by thinking clearly, critically and creatively.

- Critical thinking
- Creative thinking
- Problem solving
- Research skills

## Social interaction

A capacity to relate to and collaborate with others to exchange views and ideas and to achieve desired outcomes through teamwork, negotiation and conflict resolution.

- Collaboration
- Negotiation
- Conflict resolution

## Independent and lifelong learning

A capacity to be a self directed learner and thinker and to study and work independently.

- Organisational and time management skills
- Independent study

## Ethics

An awareness of and sensitivity to ethics and ethical standards on interpersonal and social levels, and within a field of study and/or profession.

- Personal ethics
- Social ethics
- Ethics in a field of study
- Professional ethics

## Social justice

An acknowledgment of and respect for equality of opportunity, individual and civic responsibility, other cultures and times, and an appreciation of cultural diversity.

- Social and civic responsibility
- Knowledge of other cultures
- Knowledge of other historical times
- Appreciation of cultural diversity

## Global perspective

An awareness of and respect for the social, biological, cultural and economic interdependence of global life.

- Global perspective

## Interdisciplinarity

A capacity to acquire knowledge and understanding of fields of study beyond a single discipline.

- Interdisciplinarity

## In-depth knowledge of a field of study

A comprehensive and in-depth knowledge of a field of study and defined professional skills where appropriate.

- Knowledge of a field of study
- Professional skills

# University Preparation (Access and Enabling)

## **Cancellation of Courses, Majors, Minors and Units**

The University reserves the right to cancel, without notice, any course, major, minor or unit if the number of students enrolled falls below limits set by the University or in other unforeseen circumstances.

Group	Course	Offerings
University Preparation	K-Track	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	OnTrack	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Peel campus (internal)</li> <li>• Rockingham campus (internal)</li> </ul>
	OnTrack Sprint	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
Veterinary Science	Waardong	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>

## UNIVERSITY PREPARATION

### K-TRACK

No Specific School

Course Codes: N1077

Duration: 1 semester full-time

#### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

K-Track assists people to gain entry to undergraduate study with two entry points depending upon the performance of the student. The course is designed to not only help Indigenous people develop the skills necessary for success at university, but also to have them realise how empowering being a successful student can be. Following the successful completion of K-Track, students are then either directly enrolled into the undergraduate degree of their choice (with some exceptions) or are transitioned into further studies in the OnTrack program offered by the University.

#### Admission Requirements (Onshore):

This course is available to Aboriginal and Torres Strait Islander people only.

English competence.

### Course Structure

KAC001 Big Ideas

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

KAC002 Your Writing Tool-kit

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

KAC003 Understanding Your World

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

KAC004 iHealth

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

### ONTRACK

No Specific School

Course Codes: N1069

Duration: 1 semester full-time

#### Availability:

- Murdoch campus (internal)
- Peel campus (internal)
- Rockingham campus (internal)

OnTrack is a fourteen-week, on-campus, pre-university course designed to assist people from disadvantaged or disrupted educational backgrounds to enable their entry to university.

The course consists of three modules that develop the generic skills, knowledge and values required for successful university learning. The OnTrack course allows participants the opportunity to experience life on a university campus. Students who require support in English as a Second Language will receive additional tutoring.

Following successful completion of the course, participants may be offered a place in an undergraduate course at Murdoch University and are provided with support to identify potential career paths as part of the course.

#### Admission Requirements (Onshore):

OnTrack is suitable for people from the following equity groups: people who can demonstrate educational disruption due to family,

financial or social issues; Aboriginal and Torres Strait Islander people; people with disabilities or medical conditions; people living in rural or remote regions; and women wishing to study in one of the University's Engineering courses. The course also caters for people who have arrived in Australia under a Humanitarian or Refugee program.

In addition, the course offers an opportunity for Year 12 non-TEE students who have experienced disruption to their final year studies due to disability, medical condition or other significant family or social issues. Students in this category will require the support of their school teaching staff in order to apply.

English competence.

### Course Structure

EQU060 OnTrack

MURDOCH: S1-internal, S2-internal

PEEL: S1-internal, S2-internal

ROCKINGHAM: S1-internal, S2-internal

### ONTRACK SPRINT

No Specific School

Course Codes: N1080

Duration: 4 weeks (intensive)

#### Availability:

- Murdoch campus (internal)

OnTrack Sprint provides an entry pathway into Murdoch University for students who have completed their WACE certificate within the previous 18 months, generated an ATAR between 60-69.5 and are Australian citizens, permanent residents or humanitarian visa holders. Through this intensive, four-week preparatory program students will learn to think critically and complete research at a University level. By participating in tutorials and completing assignments students will open their minds to new ways of thinking and develop skills as independent learners.

#### Admission Requirements (Onshore):

OnTrack Sprint is an Enabling Program which:

\* is offered for the purpose of enabling a non-overseas student to undertake an award program in a student place which is funded either partially or fully by the Commonwealth at the institution or at another institution;

\* meets Commonwealth guidelines concerning the inclusion in the annual data collection of student load for Enabling Programs;

\* is specifically designed to meet the needs of students who have completed a WACE certificate within the previous 18 months and have generated an ATAR that is close to, but does not quite meet, the eligibility criteria for direct entry. Specifically they will have generated either an overall ATAR of 60-69.5 or an overall ATAR of 70+ but failed to meet Murdoch University's English competence criteria.

### Course Structure

EQU070 OnTrack Sprint

MURDOCH: SB7-internal

ROCKINGHAM: SB7-internal

## VETERINARY SCIENCE

### WAARDONG

School of Veterinary and Life Sciences

Course Codes: N1022

#### Availability:

- Murdoch campus (internal)

Waardong is a special entry program into the School of Veterinary and Life Sciences for Aboriginal and Torres Strait Islander people who want to become veterinarians. In order to maximise student success, Waardong provides academic, social and cultural support for Aboriginal and Torres Strait Islander students enrolled in Veterinary Science or, as approved by the relevant Academic Chair, other participating Health Science courses.

Waardong teaches Orientation Chemistry for students without a background in chemistry, and supplementary enabling units for students throughout their veterinary or other health science studies.

Students interested in applying for entry should contact the Special Education Officer in the School of Veterinary and Life Sciences. The deadline for submission of applications is 30 September each year; testing and selection week is in early December.

#### Admission Requirements (Onshore):

This special entry program for Aboriginal and Torres Strait Islander people is based on student results during the one-week residential testing and selection process. Evaluation of student readiness for study involves practical and written exercises throughout the week.

English competence.

#### Additional Academic Progress Requirements:

Progress of Waardong students will be assessed by the Board of Examiners on the recommendation of the Special Education Officer and the Chair of the Waardong Committee.

### Program Structure

Students entering Waardong are placed in either one of Non-Chemistry Transition or Transition with Chemistry.

#### Non-Chemistry Transition

Students who do not have a background in chemistry are placed in Non-Chemistry Transition, which provides an intensive Orientation Chemistry and supplementary tutoring in all other units. Students take the Veterinary Entry year over two academic years.

#### Transition with Chemistry

Students who have entered the Veterinary Science major with Year 12 Chemistry are placed in Transition with Chemistry, which provides for supplementary tutoring in all units. These students enrol in the Vet Entry year full-time.

#### Core Units

Students enrol in the following units throughout their veterinary studies:

EQU011 Orientation Chemistry 1  
MURDOCH: S1-internal

EQU012 Orientation Chemistry 2  
MURDOCH: S2-internal

EQU021 Transition to Veterinary Studies 1  
MURDOCH: S1-internal

EQU022 Transition to Veterinary Studies 2  
MURDOCH: S2-internal

EQU023 Transition to Veterinary Studies 3

MURDOCH: S1-internal

EQU024 Transition to Veterinary Studies 4  
MURDOCH: S2-internal

EQU031 Extension to Veterinary Biology 1  
MURDOCH: S1-internal

EQU032 Extension to Veterinary Biology 2  
MURDOCH: S2-internal

EQU033 Extension to Veterinary Biology 3  
MURDOCH: S1-internal

EQU034 Extension to Veterinary Biology 4  
MURDOCH: S2-internal

EQU035 Extension to Veterinary Biology 5  
MURDOCH: S1-internal

EQU036 Introduction to Clinical Studies  
MURDOCH: S2-internal

EQU041 Integrated Clinical Studies 1  
MURDOCH: S1-internal

EQU042 Integrated Clinical Studies 2  
MURDOCH: S2-internal

EQU043 Integrated Clinical Studies 3  
MURDOCH: S1-internal

EQU044 Integrated Clinical Studies 4  
MURDOCH: S2-internal

#### Additional Academic Progress Requirements

Progress of Waardong students will be assessed by the Board of Examiners on the recommendation of the Special Education Officer and the Chair of the Waardong Committee.

# Bachelor and Honours Degrees

## Cancellation of Courses, Majors, Minors and Units

The University reserves the right to cancel, without notice, any course, major, minor or unit if the number of students enrolled falls below limits set by the University or in other unforeseen circumstances.

Group	Course	Offerings
<b>Accounting</b>	Accounting (BBus)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Accounting (BCom)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal) (no new admissions from 2015 at this location for first-year commencing students)</li> <li>• Murdoch campus (external) (no new admissions from 2015 at this location for first-year commencing students)</li> <li>• SMF Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced by a Bachelor of Business)</li> <li>• KDU College (Petaling Jaya, Malaysia) ['KDUP'] (internal) (by formal agreement) (language of instruction: English) (not available to new admissions at this location)</li> <li>• Kaplan Higher Education Institute and Kaplan Higher Education Academy (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced by a Bachelor of Business)</li> </ul>
	Accounting Honours (BBus(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Animal Health</b>	Animal Health (BSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
	Animal Health Honours (BSc(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>Animal Science</b>	Animal Science (BSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
	Animal Science Honours (BSc(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>Asian Studies</b>	Asian Studies (BA)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Indonesian (BA)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Japanese (BA)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external)</li> </ul>
	Asian Studies Honours (BA(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Australian Indigenous Studies</b>	Australian Indigenous Studies (BA)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Australian Indigenous Studies Honours (BA(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Banking</b>	Banking (BBus)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Banking (BCom)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal) (no new admissions from 2015 at this location for first-year commencing students)</li> <li>• Murdoch campus (external) (no new admissions from 2015 at this location for first-year commencing students)</li> <li>• SMF Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced by a Bachelor of Business)</li> <li>• Kaplan Higher Education Institute and Kaplan Higher Education Academy (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced by a Bachelor of Business)</li> </ul>

Group	Course	Offerings
<b>Biological Sciences</b>	Banking Honours (BBus(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
	Biological Sciences (BSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external)</li> </ul>
<b>Biomedical Science</b>	Biological Sciences Honours (BSc(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Biomedical Science (BSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Biotechnology</b>	Biomedical Science Honours (BSc(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Biotechnology Honours (BSc(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>Business Information Systems</b>	Business Information Systems (BSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Business Information Systems (BSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal) (no new admissions from 2015 at this location for first-year commencing students)</li> <li>• Murdoch campus (external) (no new admissions from 2015 at this location for first-year commencing students)</li> <li>• SMF Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced with a new version with the same name)</li> <li>• Kaplan Higher Education Institute and Kaplan Higher Education Academy (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced with a new version with the same name)</li> <li>• Murdoch University International Study Centre (Dubai, UAE) ['DUBAI-ISC'] (internal) (by formal agreement) (language of instruction: English)</li> </ul>
	Business Information Systems Honours (BSc(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Business Law</b>	Business Law (BBus)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external)</li> </ul>
	Business Law (BCom)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal) (not available to new admissions at this location)</li> <li>• Kaplan Higher Education Institute and Kaplan Higher Education Academy (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced by a Bachelor of Business)</li> <li>• Some units only: Murdoch campus (external) (not available to new admissions at this location)</li> </ul>
<b>Chemistry</b>	Business Law Honours (BBus(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
	Chemistry (BSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>Chiropractic</b>	Chemistry Honours (BSc(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
	Chiropractic Science + Clinical Chiropractic (BSc+BClinChiro)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Communication and Media Studies</b>	Chiropractic Honours (BSc(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Communication and Media Studies (BA)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external) (all but one unit)</li> </ul>

Students should ensure they are familiar with the University's internal regulations, including provisions specifically relevant to their studies. See the University Regulation overview in this Handbook and view legislation online at <http://www.murdoch.edu.au/goto/legislation/>

Students need to have access to and be able to use computing devices with Internet browsing capability: see <http://goto.murdoch.edu.au/InternetStudy>

Group	Course	Offerings
	Communication and Media Studies (BCommun)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal) (no new admissions from 2015 at this location for first-year commencing students)</li> <li>• SMF Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English)</li> <li>• KDU College (Petaling Jaya, Malaysia) ['KDUPJ'] (internal) (by formal agreement) (language of instruction: English) (not available to new admissions at this location)</li> <li>• Kaplan Higher Education Institute and Kaplan Higher Education Academy (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced by a Bachelor of Arts)</li> <li>• Some units only: Murdoch campus (external) (no new admissions from 2015 at this location for first-year commencing students)</li> </ul>
	Communication and Media Studies Honours (BA(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Community Development</b>	Community Development (BA)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Community Development Honours (BA(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Computer Science</b>	Computer Science (BSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Computer Science (BSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal) (no new admissions from 2015 at this location for first-year commencing students)</li> <li>• Murdoch campus (external) (no new admissions from 2015 at this location for first-year commencing students)</li> <li>• Kaplan Higher Education Institute and Kaplan Higher Education Academy (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced with a new version with the same name)</li> <li>• Murdoch University International Study Centre (Dubai, UAE) ['DUBAI-ISC'] (internal) (by formal agreement) (language of instruction: English)</li> </ul>
	Computer Science Honours (BSc(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Conservation and Wildlife Biology</b>	Conservation and Wildlife Biology (BSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external)</li> </ul>
	Conservation and Wildlife Biology Honours (BSc(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>Criminology</b>	Criminology (BA)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
	Criminology Honours (BA(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Cyber Forensics and Information Security</b>	Cyber Forensics, Information Security and Management (BSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal) (no new admissions from 2015 at this location for first-year commencing students)</li> <li>• Murdoch campus (external) (no new admissions from 2015 at this location for first-year commencing students)</li> <li>• SMF Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced by a Bachelor of Science in Cyber Forensics and Information Security)</li> <li>• Kaplan Higher Education Institute and Kaplan Higher Education Academy (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced by a Bachelor of Science in Cyber Forensics and Information Security)</li> </ul>

Group	Course	Offerings
	Cyber Forensics and Information Security (BSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Cyber Forensics and Information Security Honours (BSc(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Early Childhood Education</b>	Early Childhood 0-8 (BEd)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal) (not available to new admissions in 2015)</li> <li>• Murdoch campus (external) (not available to new admissions in 2015)</li> <li>• This course is not available to International students studying in Australia.</li> </ul>
<b>Economics</b>	Economics (BBus)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Economics (BEcon)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal) (no new admissions from 2015 at this location for first-year commencing students)</li> <li>• Murdoch campus (external) (no new admissions from 2015 at this location for first-year commencing students)</li> <li>• Kaplan Higher Education Institute and Kaplan Higher Education Academy (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced by a Bachelor of Business)</li> </ul>
	Economics Honours (BBus(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Education</b>	Early Childhood and Primary Teaching (BEd)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external) (except for one school experience, and a one week intensive for EDN248)</li> </ul>
	Primary, 1-10 Health and Physical Education (BEd)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external)</li> </ul>
	Primary Teaching (BEd)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external) (except for one professional experience, and a one-week intensive for EDN248 )</li> </ul>
	Secondary Teaching (Arts Combined Drama) (BEd+BA)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external) (except for one school experience, depending on teaching area selected and on campus components of some units)</li> </ul>
	Secondary Teaching (Arts Combined English) (BEd+BA)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external) (except for one school experience, depending on teaching area selected and on-campus components of some units)</li> </ul>
	Secondary Teaching (Arts Combined History) (BEd+BA)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external) (except for one school experience, depending on teaching area selected and on campus components of some units)</li> </ul>
	Secondary Teaching (Arts Combined Languages other than English (Indonesian)) (BEd+BA)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external) (except for one school experience, depending on teaching area selected and on campus components of some units)</li> </ul>
	Secondary Teaching (Arts Combined Languages other than English (Japanese)) (BEd+BA)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external) (except for one school experience, depending on teaching area selected and on campus components of some units)</li> </ul>
	Secondary Teaching (Combined Science Degrees) (BEd+BSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external) (except for one school experience, depending on teaching area selected and on campus components of some units)</li> </ul>



Group	Course	Offerings
	Secondary Teaching (Science Combined Mathematics) (BEd+BSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external) (except for one school experience, depending on teaching area selected and on campus components of some units)</li> </ul>
	Secondary Teaching (Science Combined Sport and Health Science) (BEd+BSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external)</li> </ul>
<b>Engineering</b>	Electrical Power Engineering Honours (BE(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
	Environmental Engineering Honours (BE(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external)</li> </ul>
	Industrial Computer Systems Engineering Honours (BE(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
	Instrumentation and Control Engineering Honours (BE(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
	Renewable Energy Engineering Honours (BE(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Engineering Technology</b>	Engineering Technology (BSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>English and Creative Writing</b>	English and Creative Writing (BA)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	English and Creative Writing Honours (BA(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Environmental Management</b>	Environmental Management and Sustainability (BSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external) (some on-campus attendance is required in individual units)</li> </ul>
	Environmental Management and Sustainability Honours (BSc(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>Environmental Science</b>	Environmental Science (BSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Environmental Science Honours (BSc(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>Exercise Physiology</b>	Exercise Physiology (BSc)	<ul style="list-style-type: none"> <li>• Not currently available to new admissions</li> </ul>
	Exercise Physiology Honours (BSc(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>Extractive Metallurgy</b>	Chemical and Metallurgical Engineering Honours (BE(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external)</li> </ul>
<b>Finance</b>	Finance (BBus)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Finance (BCom)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal) (no new admissions from 2015 at this location for first-year commencing students)</li> <li>• Murdoch campus (external) (no new admissions from 2015 at this location for first-year commencing students)</li> <li>• SMF Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced by a Bachelor of Business)</li> <li>• Kaplan Higher Education Institute and Kaplan Higher Education Academy (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced by a Bachelor of Business)</li> <li>• Murdoch University International Study Centre (Dubai, UAE) ['DUBAI-ISC'] (internal) (by formal agreement) (language of instruction: English)</li> </ul>
	Finance Honours (BBus(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Forensic Biology</b>	Forensic Biology and Toxicology (BSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external)</li> </ul>
	Forensic Biology and Toxicology Honours (BSc(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>Games Art and Design</b>	Games Art and Design (BA)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>

Group	Course	Offerings
<b>Games Software Design and Production</b>	Games Art and Design Honours (BA(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
	Games Software Design and Production (BSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>Games Technology</b>	Games Software Design and Production Honours (BSc(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
	Games Technology (BSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>Graphic Design</b>	Games Technology Honours (BSc(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
	Graphic Design (BA)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>History</b>	Graphic Design Honours (BA(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
	History (BA)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>Hospitality and Tourism Management</b>	History Honours (BA(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
	Hospitality and Tourism Management (BBus)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external)</li> </ul>
<b>Human Resources Management</b>	Hospitality and Tourism Management (BCom)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal) (no new admissions from 2015 at this location for first-year commencing students)</li> <li>• SMF Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced by a Bachelor of Business)</li> <li>• Kaplan Higher Education Institute and Kaplan Higher Education Academy (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced by a Bachelor of Business)</li> <li>• Some units only: Murdoch campus (external) (no new admissions from 2015 at this location for first-year commencing students)</li> </ul>
	Human Resource Management (BCom)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal) (no new admissions from 2015 at this location for first-year commencing students)</li> <li>• Murdoch campus (external) (no new admissions from 2015 at this location for first-year commencing students)</li> <li>• SMF Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced by a Bachelor of Business)</li> <li>• KDU College (Petaling Jaya, Malaysia) ['KDUPJ'] (internal) (by formal agreement) (language of instruction: English) (not available to new admissions at this location)</li> <li>• Kaplan Higher Education Institute and Kaplan Higher Education Academy (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced by a Bachelor of Business)</li> </ul>
<b>International Aid and Development</b>	Human Resources Management (BBus)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	International Aid and Development (BA)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>International Business</b>	International Business (BBus)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>

Group	Course	Offerings
	International Business (BCom)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal) (not available to new admissions)</li> <li>• Murdoch campus (external) (not available to new admissions)</li> <li>• Kaplan Higher Education Institute and Kaplan Higher Education Academy (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced by a Bachelor of Business)</li> </ul>
<b>Internetworking and Network Security</b>	Internetworking and Network Security (BSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external)</li> </ul>
	Internetworking and Network Security Honours (BSc(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Journalism</b>	Journalism (BA)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external)</li> </ul>
	Journalism (BCommun)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal) (no new admissions from 2015 at this location for first-year commencing students)</li> <li>• SMF Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced by a Bachelor of Arts)</li> <li>• Murdoch University International Study Centre (Dubai, UAE) ['DUBAI-ISC'] (internal) (by formal agreement) (language of instruction: English)</li> <li>• Some units only: Murdoch campus (external) (no new admissions from 2015 at this location for first-year commencing students)</li> </ul>
	Journalism Honours (BA(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Laboratory Medicine</b>	Laboratory Medicine (BSc)	<ul style="list-style-type: none"> <li>• Not currently available to new admissions</li> </ul>
<b>Laboratory Science</b>	Clinical Laboratory Science (BSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Law</b>	Law (LLB/LLB(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: University of Macerata (Macerata, Italy) ['IMACERATA'] (internal) (language of instruction: English) (some Specified Electives only)</li> <li>• Some units only: Geneva (Geneva, Switzerland) (internal) (language of instruction: English) (some Specified Electives only)</li> <li>• Some units only: City University of Hong Kong (Hong Kong) ['CITYUHK'] (internal) (by formal agreement) (language of instruction: English) (some Specified Electives only)</li> </ul>
	Law + Arts [Combined] (LLB+BA)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: University of Macerata (Macerata, Italy) ['IMACERATA'] (internal) (language of instruction: English) (some Specified Electives only)</li> <li>• Some units only: Geneva (Geneva, Switzerland) (internal) (language of instruction: English) (some Specified Electives only)</li> <li>• Some units only: City University of Hong Kong (Hong Kong) ['CITYUHK'] (internal) (by formal agreement) (language of instruction: English) (some Specified Electives only)</li> </ul>

Group	Course	Offerings
	Law + Business [Combined] (LLB+BBus)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: University of Macerata (Macerata, Italy) ['IMACERATA'] (internal) (language of instruction: English) (some Specified Electives only)</li> <li>• Some units only: Geneva (Geneva, Switzerland) (internal) (language of instruction: English) (some Specified Electives only)</li> <li>• Some units only: City University of Hong Kong (Hong Kong) ['CITYUHK'] (internal) (by formal agreement) (language of instruction: English) (some Specified Electives only)</li> </ul>
	Law + Science [Combined] (LLB+BSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: University of Macerata (Macerata, Italy) ['IMACERATA'] (internal) (language of instruction: English) (some Specified Electives only)</li> <li>• Some units only: Geneva (Geneva, Switzerland) (internal) (language of instruction: English) (some Specified Electives only)</li> <li>• Some units only: City University of Hong Kong (Hong Kong) ['CITYUHK'] (internal) (by formal agreement) (language of instruction: English) (some Specified Electives only)</li> </ul>
<b>Legal Studies</b>	Legal Studies (BA)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external)</li> </ul>
	Legal Studies Honours (BA(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Management</b>	Management (BBus)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Management (BCom)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal) (no new admissions from 2015 at this location for first-year commencing students)</li> <li>• Murdoch campus (external) (no new admissions from 2015 at this location for first-year commencing students)</li> <li>• SMF Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced by a Bachelor of Business)</li> <li>• KDU College (Petaling Jaya, Malaysia) ['KDUP'] (internal) (by formal agreement) (language of instruction: English) (not available to new admissions at this location)</li> <li>• Kaplan Higher Education Institute and Kaplan Higher Education Academy (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced by a Bachelor of Business)</li> <li>• Murdoch University International Study Centre (Dubai, UAE) ['DUBAI-ISC'] (internal) (by formal agreement) (language of instruction: English)</li> </ul>
	Management Honours (BBus(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Marine Science</b>	Marine Science (BSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external)</li> </ul>
	Marine Science Honours (BSc(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>Marketing</b>	Marketing (BBus)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external) (all but one unit)</li> </ul>

Group	Course	Offerings
	Marketing (BCom)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal) (no new admissions from 2015 at this location for first-year commencing students)</li> <li>• SMF Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced by a Bachelor of Business)</li> <li>• KDU College (Petaling Jaya, Malaysia) ['KDUPJ'] (internal) (by formal agreement) (language of instruction: English) (not available to new admissions at this location)</li> <li>• Kaplan Higher Education Institute and Kaplan Higher Education Academy (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced by a Bachelor of Business)</li> <li>• Murdoch University International Study Centre (Dubai, UAE) ['DUBAI-ISC'] (internal) (by formal agreement) (language of instruction: English)</li> <li>• Some units only: Murdoch campus (external) (no new admissions from 2015 at this location for fir</li> </ul>
	Marketing Honours (BBus(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Mathematics and Statistics</b>	Mathematics and Statistics (BSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Mathematics and Statistics Honours (BSc(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external)</li> </ul>
<b>Mineral Science</b>	Mineral Science (BSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Mineral Science Honours (BSc(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Miscellaneous</b>	Double Degree Five Year	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Double Degree Four Year	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>Mobile and Web Application Development</b>	Mobile and Web Application Development (BSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Mobile and Web Application Development Honours (BSc(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Molecular Biology</b>	Molecular Biology (BSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external)</li> </ul>
	Molecular Biology Honours (BSc(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>Nursing</b>	Nursing (2016) (BNurs)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal) (only available from 2016)</li> <li>• Peel campus (internal) (only available from 2016)</li> </ul>
	Nursing (BNurs)	<ul style="list-style-type: none"> <li>• Peel campus (internal)</li> <li>• Some units only: Murdoch campus (internal) (Mid-year commencement only; some first year units available at this location)</li> </ul>
	Nursing Honours (BNurs(Hons))	<ul style="list-style-type: none"> <li>• Peel campus (internal) (all but one unit)</li> </ul>
<b>Philosophy</b>	Philosophy (BA)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Philosophy Honours (BA(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Photography</b>	Photography (BA)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
	Photography Honours (BA(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Physics and Nanotechnology</b>	Physics and Nanotechnology (BSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Physics and Nanotechnology Honours (BSc(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>Politics and International Studies</b>	Politics and International Studies (BA)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>

Group	Course	Offerings
	Politics and International Studies Honours (BA(Hons))	• Murdoch campus (internal)
<b>Psychology</b>	Cognitive Neuroscience and Health Psychology (BSc)	• Murdoch campus (internal)
	Psychology (BPsych/BA)	• Murdoch campus (internal) (not available to new admissions at this location) • Kaplan Higher Education Institute and Kaplan Higher Education Academy (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English) (Bachelor of Arts only; available until end 2016 at this location, after which this will be replaced by the Bachelor of Arts in Social and Developmental Psychology)
	Social and Developmental Psychology (BA)	• Murdoch campus (internal)
	Psychology Honours (BA(Hons))	• Murdoch campus (internal)
	Psychology Honours (BSc(Hons))	• Murdoch campus (internal)
<b>Public Relations</b>	Public Relations (BA)	• Murdoch campus (internal)
	Public Relations (BCommun)	• Murdoch campus (internal) (no new admissions from 2015 at this location for first-year commencing students) • SMF Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced by a Bachelor of Arts) • KDU College (Petaling Jaya, Malaysia) ['KDUPJ'] (internal) (by formal agreement) (language of instruction: English) (not available to new admissions) • Kaplan Higher Education Institute and Kaplan Higher Education Academy (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced by a Bachelor of Arts) • Murdoch University International Study Centre (Dubai, UAE) ['DUBAI-ISC'] (internal) (by formal agreement) (language of instruction: English) • Some units only: Murdoch campus (external) (no new admissions from 2015 at this location for first-year commencing studenten)
	Public Relations Honours (BA(Hons))	• Murdoch campus (internal)
<b>Radio</b>	Radio (BA)	• Murdoch campus (internal)
	Radio Honours (BA(Hons))	• Murdoch campus (internal)
<b>Religion</b>	Religion (BA)	• Murdoch campus (internal) • Murdoch campus (external)
	Religion Honours (BA(Hons))	• Murdoch campus (internal)
<b>Screen Production</b>	Screen Production (BA)	• Murdoch campus (internal) • Some units only: Murdoch campus (external)
	Screen Production (BMedia)	• Murdoch campus (internal) (no new admissions from 2015 at this location for first-year commencing students) • Murdoch University International Study Centre (Dubai, UAE) ['DUBAI-ISC'] (internal) (by formal agreement) (language of instruction: English) • Some units only: Murdoch campus (external) (no new admissions from 2015 at this location for first-year commencing students)
	Screen Production Honours (BA(Hons))	• Murdoch campus (internal)
<b>Security, Terrorism and Counterterrorism</b>	Security, Terrorism and Counterterrorism Studies (BA)	• Murdoch campus (internal) • Murdoch campus (external)
<b>Sociology</b>	Sociology (BA)	• Murdoch campus (internal) • Murdoch campus (external)

Students should ensure they are familiar with the University's internal regulations, including provisions specifically relevant to their studies. See the University Regulation overview in this Handbook and view legislation online at <http://www.murdoch.edu.au/goto/legislation/>

Students need to have access to and be able to use computing devices with Internet browsing capability: see <http://goto.murdoch.edu.au/InternetStudy>

Group	Course	Offerings
	Sociology Honours (BA(Hons))	• Murdoch campus (internal)
<b>Sound</b>	Sound (BA)	• Murdoch campus (internal) • Some units only: Murdoch campus (external)
	Sound Honours (BA(Hons))	• Murdoch campus (internal)
<b>Sports Science</b>	Movement Science (BSc)	• Murdoch campus (internal)
	Sport and Health Science (BSc)	• Murdoch campus (internal)
	Movement Science Honours (BSc(Hons))	• Murdoch campus (internal) • Murdoch campus (external)
	Sport and Health Science Honours (BSc(Hons))	• Murdoch campus (internal) • Murdoch campus (external)
<b>Sustainability</b>	Sustainable Development (BA)	• Murdoch campus (internal)
	Sustainable Development Honours (BA(Hons))	• Murdoch campus (internal)
<b>Theatre and Drama</b>	Theatre and Drama (BA)	• Murdoch campus (internal) • Some units only: Murdoch campus (external)
	Theatre and Drama Honours (BA(Hons))	• Murdoch campus (internal)
<b>Tourism and Events</b>	Tourism and Events (BA)	• Murdoch campus (internal) • Some units only: Murdoch campus (external)
	Tourism and Events Management (BA)	• Murdoch campus (internal) (not available to new admissions at this location) • Kaplan Higher Education Institute and Kaplan Higher Education Academy (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced by a Bachelor of Arts in Tourism and Events) • Some units only: Murdoch campus (external) (not available to new admissions at this location)
	Tourism and Events Honours (BA(Hons))	• Murdoch campus (internal)
<b>Veterinary Science</b>	Veterinary Science (BSc+DVM)	• Murdoch campus (internal)
	Veterinary Biology Honours (BSc(Hons))	• Murdoch campus (internal) • Murdoch campus (external)
<b>Web Communication</b>	Web Communication (BA)	• Murdoch campus (internal) • Some units only: Murdoch campus (external)
	Web Communication (BDMedia)	• Murdoch campus (internal) (not available to new admissions at this location) • Kaplan Higher Education Institute and Kaplan Higher Education Academy (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced by a Bachelor of Arts) • Some units only: Murdoch campus (external) (not available to new admissions at this location)
	Web Communication Honours (BA(Hons))	• Murdoch campus (internal)

## ACCOUNTING

### ACCOUNTING (BBUS)

School of Management and Governance

Bachelor of Business (BBus) in Accounting

Course Codes: B1318

Duration: 3 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

Accounting is an integral part of the management process in any business or public enterprise. It acts as an evaluation and control aid when looking at the effectiveness and efficiency of the operations of an enterprise as well as employee performance. It provides information to assist users in making decisions for a variety of purposes, including the acquisition or sale of shares, lending of money, and provision of goods on credit.

In addition, Accounting helps managers, owners and investors to look after the assets and investments of the organisation over the latest financial reporting period. Capital investment and strategic decisions also use data produced by the accounting process.

A fourth year of study is available in the form of an honours year.

A Bachelor of Business provides a broad understanding of individual, organisational and societal issues. You will have the practical skills to identify business opportunities, analyse problems and implement solutions and you will be able to demonstrate a knowledge of business principles across key functional areas. You will have depth of knowledge in one or more business disciplines: accounting, banking, business law, economics, finance, hospitality and tourism management, human resources management, international business, management, and marketing.

#### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

#### Employment Prospects:

The Accounting major is usually chosen by students interested in a career as a professionally qualified accountant. Graduates of this course can gain employment with professional accounting firms (working with clients in areas such as audit, taxation, and business services), in government, in other private sector firms, and in not-for-profit organisations.

#### Professional Recognition:

CPA Australia, Institute of Chartered Accountants in Australia (ICAA) and Institute of Public Accountants (IPA).

Students can satisfy the entry requirements (when the right combination of core and elective units are selected) for admission to membership of the professional accounting bodies. These include Associate membership of CPA Australia, and direct entry into the Institute of Chartered Accountants in Australia CA Programme and Associate membership of the Institute of Public Accountants (IPA). Students who have been granted Advanced Standing must discuss their enrolment and selection of units with the Academic Chair as their Advanced Standing may affect their ability to satisfy the admission requirements to the professional accounting bodies on completion of their degree.

#### Recommended Double Majors:

Finance

### Course Structure - 72 credit points

### Part I - 24 credit points

#### Year 1 - 24 credit points

##### Transition Unit - 3 credit points

BBS100 Academic Skills for Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### Breadth Unit for Degree - 3 credit points

BBS150 Transforming Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### Core Units - 15 credit points

BUS130 Foundational Mathematics for Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

BUS176 Foundations of Management and Governance - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

BUS171 Foundations of Economics - 3 points  
MURDOCH: S1-external, S2-internal, S2-external

BUS170 Foundations of Accounting - 3 points  
MURDOCH: S2-internal, S2-external

BSL165 Foundations of Business Law - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### General Electives - 3 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

### Part II - 48 credit points

#### Year 2 - 24 credit points

##### Research Skills Unit - 3 credit points

BBS200 Business Research: An Integrated Approach - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### Breadth Unit University-Wide - 3 credit points

Select one 200-level University Breadth Unit.

##### Core Units - 9 credit points

BUS285 Technology and Accounting Processes - 3 points  
MURDOCH: S1-internal, S1-external

BUS286 Corporate Finance - 3 points  
MURDOCH: S2-internal, S2-external

BUS287 Management Accounting - 3 points  
MURDOCH: S2-internal, S2-external

##### General Electives - 9 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

#### Year 3 - 24 credit points

##### Research Skills Unit - 3 credit points

BBS300 Empirical Research Methods for Business - 3 points  
Not available this year

OR

BBS301 Business Research: Integrated and Mixed Methods - 3 points  
Not available this year

##### Breadth Unit University-Wide - 3 credit points

BRD350 University Breadth in Practice Unit - 3 points



Not available this year

### **Core Units - 9 credit points**

BSL305 Company Law - 3 points  
Not available this year

BUS356 Contemporary Financial Accounting - 3 points  
Not available this year

BUS304 Accounting Theory and Accountability - 3 points  
Not available this year

### **General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

### **Additional Professional Accreditation Requirements**

In order to qualify for admission to membership of the professional accounting bodies (CPA Australia, ICAA and the IPA) students must complete the following two units which can be taken in lieu of two general elective units.

BUS303 Taxation - 3 points  
Not available this year

BUS306 Auditing - 3 points  
Not available this year

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## **ACCOUNTING (BCOM)**

School of Management and Governance

Bachelor of Commerce (BCom) in Accounting

Course Codes: B1003 B1003A

Duration: 3 years full-time or part-time equivalent

### **Availability:**

- Murdoch campus (internal) (no new admissions from 2015 at this location for first-year commencing students)
- Murdoch campus (external) (no new admissions from 2015 at this location for first-year commencing students)
- SMF Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced by a Bachelor of Business)
- KDU College (Petaling Jaya, Malaysia) ['KDUPJ'] (internal) (by formal agreement) (language of instruction: English) (not available to new admissions at this location)
- Kaplan Higher Education Institute and Kaplan Higher Education Academy (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced by a Bachelor of Business)

Accounting is an integral part of the management process in any business or public enterprise. It acts as an evaluation and control aid when looking at the effectiveness and efficiency of the operations of an enterprise as well as employee performance. It provides information to assist users in making decisions for a variety of purposes, including the acquisition or sale of shares, lending of money, and provision of goods on credit.

In addition, Accounting helps managers, owners and investors to look after the assets and investments of the organisation over the latest financial reporting period. Capital investment and strategic decisions also use data produced by the accounting process.

A fourth year of study is available in the form of an honours year.

### **Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

### **Employment Prospects:**

The Accounting major is usually chosen by students interested in a career as a professionally qualified accountant. Graduates of this course can gain employment with professional accounting firms (working with clients in areas such as audit, taxation, and business services), in government, in other private sector firms, and in not-for-profit organisations.

### **Professional Recognition:**

CPA Australia, Institute of Chartered Accountants in Australia (ICAA) and Institute of Public Accountants (IPA).

Students can satisfy the entry requirements (when the right combination of core and elective units are selected) for admission to membership of the professional accounting bodies. These include Associate membership of CPA Australia, and direct entry into the Institute of Chartered Accountants in Australia CA Programme and Associate membership of the Institute of Public Accountants (IPA). Students who have been granted Advanced Standing must discuss their enrolment and selection of units with the Academic Chair as their Advanced Standing may affect their ability to satisfy the admission requirements to the professional accounting bodies on completion of their degree.

## **Course Structure - 72 credit points**

### **Part I - 24 credit points**

#### **Foundation Unit - 3 credit points**

From 2014, Foundation units will no longer be offered. Students who have not yet successfully completed a Foundation unit will be required to enrol in the following Transition Unit.

BBS100 Academic Skills for Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

### **Core Units - 21 credit points**

BUS161 Introduction to Economics - 3 points

OR

BUS171 Foundations of Economics - 3 points  
MURDOCH: S1-external, S2-internal, S2-external

BUS160 Introduction to Accounting - 3 points

OR

BUS170 Foundations of Accounting - 3 points  
MURDOCH: S2-internal, S2-external

ICT105 Introduction to Information Technology - 3 points  
MURDOCH: S1-internal, S1-external

BUS165 Principles of Commercial Law - 3 points

OR

BSL165 Foundations of Business Law - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MAS180 Introduction to Statistics - 3 points  
MURDOCH: S1-external, S2-external

BUS145 Principles of Management - 3 points

OR

BUS176 Foundations of Management and Governance - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

BUS140 Principles of Finance and Banking - 3 points

OR

BUS130 Foundational Mathematics for Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

## Part II - 48 credit points

### Core Units - 24 credit points

BUS217 Technology and Accounting Processes - 4 points  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal  
SGP1: TMB-internal  
(no longer available at Murdoch campus: contact the Academic Chair for advice)

BUS224 Corporate Finance - 4 points  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal  
SGP1: TJB-internal, TSB-internal  
(no longer available at Murdoch campus: contact the Academic Chair for advice)

BUS227 Management Accounting - 4 points  
KAPLAN-SGP: TJA-internal, TSA-internal  
SGP1: TJB-internal, TSB-internal  
(no longer available at Murdoch campus: contact the Academic Chair for advice)

BUS256 Contemporary Financial Accounting - 4 points  
MURDOCH: S1-internal, S1-external  
KAPLAN-SGP: TJA-internal, TSA-internal  
SGP1: TJB-internal, TSB-internal

BSL328 Company Law - 4 points  
MURDOCH: S2-internal, S2-external

OR

BUS328 Company Law - 4 points  
KAPLAN-SGP: TMA-internal  
SGP1: TMB-internal

BUS310 Accounting Theory and Accountability - 4 points  
MURDOCH: S2-internal, S2-external  
KAPLAN-SGP: TMA-internal  
SGP1: TMB-internal

### General Electives - 24 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

### Additional Professional Accreditation Requirements

In order to qualify for admission to membership of the professional accounting bodies (CPA Australia, ICAA and the IPA) students must complete the following two units:

BUS312 Auditing - 4 points  
MURDOCH: S2-internal, S2-external  
KAPLAN-SGP: TMA-internal  
SGP1: TMB-internal

BUS313 Taxation - 4 points  
MURDOCH: S1-internal, S1-external  
KAPLAN-SGP: TJA-internal, TSA-internal  
KDUPJ: S1U-internal  
SGP1: TJB-internal, TSB-internal

Also recommended, for General Elective points only:

BUS267 Work-Based Learning - 3 points  
MURDOCH: S1-internal (quota of 50 places)

## ACCOUNTING HONOURS (BBUS(HONS))

School of Management and Governance

Bachelor of Business Honours (BBUS(Hons)) in Accounting

Course Codes: H1255

Duration: 1 year full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop the ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

### Admission Requirements (Onshore):

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Distinction average in units relating to the planned Honours study and a Distinction average overall. Subject to availability of a suitable supervisor and approval by the Dean of School.

English competence.

### Apply Online:

Applications can be made online at <http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

## Course Structure - 24 credit points

### Coursework - 12 credit points

#### Core Units - 9 credit points

MBS516 Advanced Honours Topic A - 3 points  
MURDOCH: S1-internal, S2-internal, Y-internal

MBS512 Advanced Honours Topic B - 3 points  
MURDOCH: S1-internal, S2-internal, Y-internal

MBS517 Advanced Honours Research Preparation - 3 points  
MURDOCH: S1-internal, S2-internal

#### Elective Unit - 3 credit points

Any 500 level unit - 3 points

### Thesis - 12 credit points

MBS519 Honours Thesis - 12 points  
MURDOCH: S1-internal, S2-internal, Y-internal

## ANIMAL HEALTH

### ANIMAL HEALTH (BSC)

School of Veterinary and Life Sciences

Bachelor of Science (BSc) in Animal Health

Course Codes: B1317

Duration: 3 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)

Restriction: Enrolment is subject to restriction due to limited equipment and facilities.

The Animal Health BSc equips students with knowledge of the principles of animal health and disease. Students will develop a scientific understanding relevant to a number of disciplines within the field of animal health with a strong emphasis on application of theory to the health and well-being of domestic animals and wildlife. Students will develop skills required to work in teams to address problems and communicate outcomes related to a number of disciplines within the area of animal health.

Murdoch's Bachelor of Science is a flexible degree which gives you the opportunity to build deep understanding and practical experience as well as to supplement your studies by engaging with industry and the community on relevant problems. You can even undertake studies through another discipline to broaden your

understanding of the way in which science operates in relation to social, business, health and policy environments.

#### **Admission Requirements (Onshore):**

As per normal admission requirements. There are no prerequisites for admission but it is highly desirable for students to have undertaken WACE Chemistry 3A/3B and Mathematics 2C/2D.

English competence.

#### **Employment Prospects:**

Graduates in Animal Health are strongly placed to pursue careers in a wide range of fields, including agriculture, companion animal industries and wildlife management. Employment opportunities include private industry, public sector (state and federal government), non-government organisations and research and development institutions. Other career options include research or further study in specialised fields (for example, veterinary science).

#### **Professional Recognition:**

Recognised by Ag Institute Australia. Ag Institute Australia is the peak body representing the interests of Agricultural and Natural Resource Management professionals. Students graduating with Major in Animal Health are eligible for professional membership.

#### **Recommended Double Majors:**

Animal Science

#### **Excluded Majors:**

Veterinary Science

#### **Main Research Areas:**

Applied biochemistry, meat science, animal nutrition, anatomy, physiology, embryology, histology, pathology, microbiology, virology, immunology, parasitology, biosecurity, epidemiology and public health.

#### **Further Study:**

The BSc with double major in Animal Science and Animal Health is a recommended pathway for students intending to apply for entry into veterinary science.

### **Major Prerequisites**

#### **Chemistry Background**

Students who achieved a final scaled score of 60 percent or more in Chemistry 3A/3B within the past three years should seek an exemption from their Academic Chair for CHE140 Fundamentals of Chemistry. Students who have completed previous chemistry not stated above should also consult their Academic Chair for clarification of their enrolment requirements.

### **Course Structure - 72 credit points**

#### **Part I - 24 credit points**

##### **Year 1 - 24 credit points**

##### **Transition Unit - 3 credit points**

BSC100 Building Blocks for Science Students - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### **Breadth Unit for Degree - 3 credit points**

BSC150 What is Science? - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### **Core Units - 15 credit points**

ANS102 Introduction to the Animal Body - 3 points  
MURDOCH: S1-internal

CHE140 Fundamentals of Chemistry - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

BMS107 Foundations of Vertebrate Form and Function - 3 points  
MURDOCH: S2-internal

BIO152 Foundations of Cell and Molecular Biology - 3 points

MURDOCH: S2-internal

MAS183 Statistical Data Analysis - 3 points

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

#### **General Electives - 3 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

### **Part II - 48 credit points**

#### **Year 2 - 24 credit points**

##### **Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

##### **For Primary Major in Cognitive Neuroscience and Health Psychology**

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
MURDOCH: S1-internal

##### **For Primary Majors in the Health Sciences, as listed**

Primary Major in Chiropractic Science, Exercise Physiology, Movement Science, or Sport and Health Science:

BSC206 Introduction to Research Methodology and Evidence Based Practice - 3 points  
MURDOCH: S2-internal

##### **For Primary Majors in Information Technology**

BSC203 Introduction to ICT Research Methods - 3 points  
MURDOCH: S1-internal, S1-external

##### **For All Other Primary Majors**

BSC200 Research in the Physical and Life Sciences - 3 points  
MURDOCH: S1-internal, S1-external

##### **Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

##### **Core Units - 12 credit points**

VET272 Comparative Mammalian Biochemistry - 3 points  
MURDOCH: S1-internal

VET278 Principles of Infectious Disease II - Veterinary Parasitology - 3 points  
MURDOCH: S2-internal

ANS221 Animal Structure and Function - 3 points  
MURDOCH: S2-internal

VET211 Principles of Infectious Diseases - Veterinary Microbiology - 3 points  
MURDOCH: S2-internal

##### **General Electives - 6 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

#### **Year 3 - 24 credit points**

##### **Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

##### **For Primary Majors in Information Technology**

BSC301 Applied Research Skills in ICT - 3 points

Not available this year

**For All Other Primary Majors**

BSC300 Bachelor of Science Research Skills Unit - 3 points  
Not available this year

**Breadth Unit University-Wide - 3 credit points**

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

**Core Units - 6 credit points**

VET375 Processes in Animal Disease - 3 points  
Not available this year

VET392 One Health - 3 points  
Not available this year

**General Electives - 12 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

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## ANIMAL HEALTH HONOURS (BSC(HONS))

School of Veterinary and Life Sciences

Bachelor of Science Honours (BSc(Hons)) in Animal Health

Course Codes: H1257

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

The aim of the Honours year is to extend the student's grasp of the principles and practice of their subject, to develop ability for independent research, and to facilitate their entry into industry employment.

An Honours qualification of at least 2A is normally required for admission to higher research degree study.

**Admission Requirements (Onshore):**

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Credit average (GPA 2); subject to availability of a suitable supervisor and approval by the School Dean.

Students interested in enrolling in Honours are advised to contact the Academic Chair before application to discuss supervision of their potential research project.

English competence.

**Apply Online:**

Applications can be made online at <http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

**Employment Prospects:**

The honours degree represents excellent preparation for a career in animal production and the animal research industries. Graduates will find employment in a wide range of agricultural industries from government departments of agriculture, rural supply and stock companies, as farm advisors and consultants, in research funded by government and industry agencies, in biosecurity and quarantine, and in schools, colleges and universities.

**Main Research Areas:**

A wide range of disciplines are available for study in the context of animal production science, including anatomy, aquaculture, bacteriology, biochemistry, biosecurity, embryology, epidemiology,

food quality, histology, immunology, nutrition, parasitology, pathology, pharmacology, physiology, toxicology, and virology.

**Further Study:**

Successful completion of the Honours course is required for admission to higher research degrees (i.e. Masters or PhD degrees).

## Course Structure - 24 credit points

**Coursework - 3 credit points**

VLS683 Advanced Research Methods for Scientists - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Thesis - 21 credit points**

VLS515 Honours Thesis in Animal Health - 21 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

## ANIMAL SCIENCE

### ANIMAL SCIENCE (BSC)

School of Veterinary and Life Sciences

Bachelor of Science (BSc) in Animal Science

Course Codes: B1317

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

Restriction: Enrolment is subject to restriction due to constraints on unit enrolments.

The aim of this degree is to train an adaptable animal scientist who will find employment in a wide range of agricultural industries. The degree will be excellent preparation for a career in animal agriculture and the animal research industries.

In the first year, students will be introduced to the major animal production industries and also study chemistry, introductory physiology and anatomy, statistics, cell biology, and animal ethics. Students also have the option of studying economics.

During second and third year, students will undertake further study in animal production systems (including scientific writing and communication), biochemistry, animal molecular biology, physiology and anatomy, immunology and vaccines, statistics, pathology, nutrition, microbiology, parasitology and genetics.

Murdoch's Bachelor of Science is a flexible degree which gives you the opportunity to build deep understanding and practical experience as well as to supplement your studies by engaging with industry and the community on relevant problems. You can even undertake studies through another discipline to broaden your understanding of the way in which science operates in relation to social, business, health and policy environments.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements. There are no prerequisites for admission but it is highly desirable for students to have studied WACE Chemistry 3A/3B and at least Mathematics 2A/2B.

English competence.

**Special Requirements:**

On-campus attendance for laboratory sessions.

**Employment Prospects:**

Gradlink surveys over the past five years indicate at least 75 per cent full-time employment. About 20 per cent of graduates go on

to further full-time study. Agricultural industries employ animal science graduates in a variety of roles such as consultants, technical advisors, and government research officers.

**Professional Recognition:**

Australian Institute of Agricultural Science and Technology (AIAST).

**Recommended Double Majors:**

Animal Health

**Main Research Areas:**

Animal Production, Agricultural and Veterinary Biotechnology.

**Quota:**

Students should be aware that core units in the Bachelor of Science in Animal Science may be subject to enrolment quotas. Should the number of students applying for enrolment in a unit exceed the enrolment quota, then preference for enrolment will be given to those students enrolling in the unit for the first time.

**Major Prerequisites**

**Chemistry Background**

Students who achieved a final scaled score of 60 percent or more in Chemistry 3A/3B within the past three years should seek an exemption from their Academic Chair for CHE140 Fundamentals of Chemistry. Students who have completed previous chemistry not stated above should also consult their Academic Chair for clarification of their enrolment requirements.

**Course Structure - 72 credit points**

**Part I - 24 credit points**

**Year 1 - 24 credit points**

**Transition Unit - 3 credit points**

BSC100 Building Blocks for Science Students - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Breadth Unit for Degree - 3 credit points**

BSC150 What is Science? - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Core Units - 15 credit points**

ANS101 Introduction to Livestock Science - 3 points  
MURDOCH: S2-internal (quota of 150 places), UA6-internal (quota of 40 places)

BMS107 Foundations of Vertebrate Form and Function - 3 points  
MURDOCH: S2-internal

BIO152 Foundations of Cell and Molecular Biology - 3 points  
MURDOCH: S2-internal

MAS183 Statistical Data Analysis - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

CHE140 Fundamentals of Chemistry - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**General Electives - 3 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Part II - 48 credit points**

**Year 2 - 24 credit points**

**Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

**For Primary Major in Cognitive Neuroscience and Health**

**Psychology**

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
MURDOCH: S1-internal

**For Primary Majors in the Health Sciences, as listed**

Primary Major in Chiropractic Science, Exercise Physiology, Movement Science, or Sport and Health Science:

BSC206 Introduction to Research Methodology and Evidence Based Practice - 3 points  
MURDOCH: S2-internal

**For Primary Majors in Information Technology**

BSC203 Introduction to ICT Research Methods - 3 points  
MURDOCH: S1-internal, S1-external

**For All Other Primary Majors**

BSC200 Research in the Physical and Life Sciences - 3 points  
MURDOCH: S1-internal, S1-external

**Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

**Core Units - 9 credit points**

VET272 Comparative Mammalian Biochemistry - 3 points  
MURDOCH: S1-internal

ANS230 Animal Production Systems II - 3 points  
MURDOCH: S1-internal

ANS221 Animal Structure and Function - 3 points  
MURDOCH: S2-internal

**General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Year 3 - 24 credit points**

**Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

**For Primary Majors in Information Technology**

BSC301 Applied Research Skills in ICT - 3 points  
Not available this year

**For All Other Primary Majors**

BSC300 Bachelor of Science Research Skills Unit - 3 points  
Not available this year

**Breadth Unit University-Wide - 3 credit points**

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

**Core Units - 9 credit points**

VET380 Veterinary Nutrition and Animal Toxicology - 3 points  
Not available this year

ANS333 Animal Production Systems III - 3 points  
Not available this year

ANS337 Animal Industry Experience - 3 points  
Not available this year

**General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and

minors will be included in the major's description.

## **ANIMAL SCIENCE HONOURS (BSC(HONS))**

School of Veterinary and Life Sciences

Bachelor of Science Honours (BSc(Hons)) in Animal Science

Course Codes: H1257

Duration: 1 year full-time or part-time equivalent

### **Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

The aim of the Honours year is to extend the student's grasp of the principles and practice of their subject, to develop ability for independent research, and to facilitate their entry into industry employment.

An Honours qualification of at least 2A is normally required for admission to higher research degree study.

### **Admission Requirements (Onshore):**

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Credit average (GPA 2); subject to availability of a suitable supervisor and approval by the School Dean.

Students interested in enrolling in Honours are advised to contact the Academic Chair before application to discuss supervision of their potential research project.

English competence.

### **Apply Online:**

Applications can be made online at <http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

### **Special Requirements:**

On-campus attendance for laboratory and workshop sessions.

### **Employment Prospects:**

The honours degree represents excellent preparation for a career in animal production and the animal research industries. Graduates will find employment in a wide range of agricultural industries from government departments of agriculture, rural supply and stock companies, as farm advisors and consultants, in research funded by government and industry agencies, in biosecurity and quarantine, and in schools, colleges and universities.

### **Professional Recognition:**

Australian Institute of Agricultural Science and Technology (AIAST)

### **Main Research Areas:**

A wide range of disciplines are available for study in the context of animal production science, including anatomy, aquaculture, bacteriology, biochemistry, biosecurity, embryology, epidemiology, food quality, histology, immunology, nutrition, parasitology, pathology, pharmacology, physiology, toxicology, and virology.

## **Course Structure - 24 credit points**

### **Coursework - 3 credit points**

VLS683 Advanced Research Methods for Scientists - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

### **Thesis - 21 credit points**

VLS510 Honours Thesis in Animal Science - 21 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external,  
Y-internal, Y-external

## **ASIAN STUDIES**

### **ASIAN STUDIES (BA)**

School of Arts

Bachelor of Arts (BA) in Asian Studies

Course Codes: B1316

Duration: 3 years full-time or part-time equivalent

### **Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

For political, economic, environmental and cultural reasons, the countries of East and South-East Asia play an increasingly important role in contemporary global change. This three-year degree offers the opportunity to study the media, religions, histories, politics, economics, sociology and anthropology of the Asian region. It is possible to combine an Asian Studies major with a second major in Indonesian or Japanese language.

In the Bachelor of Arts you will develop a broad understanding of your field and proficiency in producing written and oral arguments and creative artifacts in response to social, human and natural phenomena. You will also develop a critical appreciation of the perspectives of others. As an Arts graduate you will be able to think critically and creatively, apply knowledge and information, and communicate effectively. These are professional skills which are critical across a range of industries. You will also be able to pursue further study in the fields of social research, the humanities and/or the creative arts.

### **Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

### **Employment Prospects:**

The major is intended to provide the background for careers in teaching, the diplomatic service, law, public service, business, and journalism, which require interdisciplinary perspectives on the Asian cultural, political and economic context.

### **Recommended Double Majors:**

Community Development; Community Development (OUA); History; Indonesian; International Aid and Development; International Aid and Development (OUA); Japanese; Politics and International Studies

### **Excluded Minors:**

Asian Studies

## **Course Structure - 72 credit points**

### **Part I - 24 credit points**

#### **Year 1 - 24 credit points**

#### **Transition Unit - 3 credit points**

BAR100 Academic Learning Skills - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

#### **Breadth Unit for Degree - 3 credit points**

BAR150 Ideas and Identity - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

#### **Core Unit - 3 credit points**

AST102 Asian Centuries - 3 points  
MURDOCH: S1-internal, S1-external

#### **General Electives - 15 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider

using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

## Part II - 48 credit points

### Year 2 - 24 credit points

#### Research Skills Unit - 3 credit points

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

#### For Primary Major in Social and Developmental Psychology

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
MURDOCH: S1-internal

#### For All Other Primary Majors

BAR200 Developing Research Skills and Methods - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

#### Breadth Unit University-Wide - 3 credit points

Select one 200-level University Breadth Unit.

#### Core Unit - 3 credit points

AST281 Contemporary Asia - 3 points  
MURDOCH: S1-internal, S1-external

#### Specified Electives - 6 credit points

Select from the Specified Elective Unit List below.

#### General Electives - 9 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

### Year 3 - 24 credit points

#### Research Skills Unit - 3 credit points

BAR300 Bachelor of Arts Research Skills Unit - 3 points  
Not available this year

#### Breadth Unit University-Wide - 3 credit points

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

#### Core Unit - 3 credit points

AST384 Asian Studies Project - 3 points  
Not available this year

#### Specified Electives - 6 credit points

Select from the Specified Elective Unit List below.

#### General Electives - 9 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

#### Specified Elective Unit List

Select Specified Electives from the following units during Years 2 and 3, subject to individual unit prerequisites. At least two units must be at 300 level.

AST350 Society, Culture and Ecology in Asia - 3 points  
Not available this year

AST288 Women in Asian Societies - 3 points  
MURDOCH: S2-internal, S2-external

JPN207 Love and Sexuality in Japan - 3 points

MURDOCH: S2-internal, S2-external

AST352 Culture and Religion in Asia - 3 points  
Not available this year

HIS258 Soldiers and Civilians: War in the Pacific 1941-1945 - 3 points  
MURDOCH: S1-internal, S1-external

AST286 People's History of South-East Asia - 3 points  
Not available this year

HIS310 Modern Japanese History - 3 points  
Not available this year

IND371 Media, Culture and Politics in Indonesia - 3 points  
Not available this year

## INDONESIAN (BA)

School of Arts

Bachelor of Arts (BA) in Indonesian

Course Codes: B1316

Duration: 3 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

South-East Asia is a dynamic and rapidly industrialising region of tremendous cultural, economic and political importance to Australia. The Indonesian major is designed to give students advanced skills in contemporary Indonesian language. This can be combined with an Asian Studies major, with units that examine Asian history, culture and contemporary issues. Students wishing to specialise in Indonesian may combine their Bachelor's degree with one or two semesters of Indonesian language study in-country as part of a Graduate Diploma in Asian Studies (GradDipAsianSt), undertaken through the national Australian Consortium for 'In-Country' Indonesian Studies (ACICIS), founded and hosted by Murdoch University.

In the Bachelor of Arts you will develop a broad understanding of your field and proficiency in producing written and oral arguments and creative artifacts in response to social, human and natural phenomena. You will also develop a critical appreciation of the perspectives of others. As an Arts graduate you will be able to think critically and creatively, apply knowledge and information, and communicate effectively. These are professional skills which are critical across a range of industries. You will also be able to pursue further study in the fields of social research, the humanities and/or the creative arts.

#### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

#### Special Requirements:

An intensive semester or year of in-country language study can be added to this qualification as part of a Graduate Diploma in Asian Studies with permission of the Academic Chair. Details of scholarships and more information on in-country study can be obtained from the Asian Studies Academic Chair.

The course is open to beginners as well as those with language competency. Students with language competency will be granted exemption from lower level language units and will be placed at the level appropriate to their level of competency. Such students may be required to take alternative units to replace the lower level language units.

Native speakers of Indonesian or Malay may be excluded from this major. Students from countries where Indonesian or Malay is a

partial or complete medium of instruction on the educational system may be excluded from this major, or from the lower level language units, depending on their previous level of exposure to Indonesian/Malay.

#### **Recommended Double Majors:**

Asian Studies; Community Development; Community Development (OUA); Economics; History; International Aid and Development; International Aid and Development (OUA); Politics and International Studies

#### **Excluded Minors:**

Indonesian

#### **Writing Skills:**

Asian Studies students are strongly encouraged to include a writing unit in their selection of a General Elective at either Part I or Part II.

## **Course Structure - 72 credit points**

### **Part I - 24 credit points**

#### **Year 1 - 24 credit points**

##### **Transition Unit - 3 credit points**

BAR100 Academic Learning Skills - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### **Breadth Unit for Degree - 3 credit points**

BAR150 Ideas and Identity - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### **Core Units - 9 credit points**

IND101 Indonesian 1 - 3 points  
MURDOCH: S1-internal, S1-external

IND102 Indonesian 2 - 3 points  
MURDOCH: S2-internal, S2-external

AST102 Asian Centuries - 3 points  
MURDOCH: S1-internal, S1-external

##### **General Electives - 9 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

### **Part II - 48 credit points**

#### **Year 2 - 24 credit points**

##### **Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

##### **For Primary Major in Social and Developmental Psychology**

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
MURDOCH: S1-internal

##### **For All Other Primary Majors**

BAR200 Developing Research Skills and Methods - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### **Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

##### **Core Units - 9 credit points**

IND201 Indonesian 3 - 3 points  
MURDOCH: S1-internal, S1-external

IND202 Indonesian 4 - 3 points

MURDOCH: S1-internal, S1-external

IND203 Indonesian 5 - 3 points  
MURDOCH: S2-internal, S2-external

#### **General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

#### **Year 3 - 24 credit points**

##### **Research Skills Unit - 3 credit points**

BAR300 Bachelor of Arts Research Skills Unit - 3 points  
Not available this year

##### **Breadth Unit University-Wide - 3 credit points**

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

##### **Core Units - 9 credit points**

IND301 Indonesian 6 - 3 points  
Not available this year

IND302 Indonesian 7 - 3 points  
Not available this year

IND371 Media, Culture and Politics in Indonesia - 3 points  
Not available this year

#### **General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

#### **Recommended General Electives**

Students with advanced language skills may be eligible to enrol in a Semester in Indonesian. They should seek advice from the Academic Chair before enrolling in:

IND243 Semester in Indonesia - 12 points  
MURDOCH: S1-internal, S2-internal

OR

IND443 Semester in Indonesia - 12 points  
MURDOCH: S1-internal, S2-internal

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## **JAPANESE (BA)**

School of Arts

Bachelor of Arts (BA) in Japanese

Course Codes: B1316

Duration: 3 years full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal)
- Some units only: Murdoch campus (external)

The Japanese language is a key to understanding the dramatic social and cultural change in modern Japan. The Japanese major, which is open to beginners and those with some knowledge of the language, consists of three years of interactive Japanese language study, fostering the four skills of speaking, listening, reading and writing. Students are encouraged to combine this with a major in Asian Studies, to strengthen appreciation of Japan's historical, political, economic and cultural context, and its global engagement.



In the Bachelor of Arts you will develop a broad understanding of your field and proficiency in producing written and oral arguments and creative artifacts in response to social, human and natural phenomena. You will also develop a critical appreciation of the perspectives of others. As an Arts graduate you will be able to think critically and creatively, apply knowledge and information, and communicate effectively. These are professional skills which are critical across a range of industries. You will also be able to pursue further study in the fields of social research, the humanities and/or the creative arts.

#### **Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

#### **Special Requirements:**

An intensive additional semester or year of language study in-country may be added to the Bachelor's degree as part of a Graduate Diploma in Asian Studies with the permission of the Academic Chair. Details of scholarships and more information on in-country study can be obtained from the Asian Studies Academic Chair.

The course is open to beginners as well as those with language competency. Students with language competency will be granted exemption from lower level language units and will be placed at the level appropriate to their level of competency. Such students may be required to take alternative units to replace the lower level language units.

#### **Recommended Double Majors:**

Asian Studies; Community Development; Community Development (OUA); Economics; History; International Aid and Development; International Aid and Development (OUA); Politics and International Studies

#### **Excluded Minors:**

Japanese

## **Course Structure - 72 credit points**

### **Part I - 24 credit points**

#### **Year 1 - 24 credit points**

##### **Transition Unit - 3 credit points**

BAR100 Academic Learning Skills - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### **Breadth Unit for Degree - 3 credit points**

BAR150 Ideas and Identity - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### **Core Units - 9 credit points**

JPN101 Japanese 1 - 3 points  
MURDOCH: S1-internal

JPN102 Japanese 2 - 3 points  
MURDOCH: S2-internal

AST102 Asian Centuries - 3 points  
MURDOCH: S1-internal, S1-external

##### **General Electives - 9 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

### **Part II - 48 credit points**

#### **Year 2 - 24 credit points**

##### **Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

#### **For Primary Major in Social and Developmental Psychology**

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
MURDOCH: S1-internal

#### **For All Other Primary Majors**

BAR200 Developing Research Skills and Methods - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

#### **Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

#### **Core Units - 9 credit points**

JPN201 Japanese 3 - 3 points  
MURDOCH: S1-internal

JPN202 Japanese 4 - 3 points  
MURDOCH: S1-internal

JPN203 Japanese 5 - 3 points  
MURDOCH: S2-internal

#### **General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

#### **Year 3 - 24 credit points**

##### **Research Skills Unit - 3 credit points**

BAR300 Bachelor of Arts Research Skills Unit - 3 points  
Not available this year

##### **Breadth Unit University-Wide - 3 credit points**

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

##### **Core Units - 9 credit points**

JPN301 Japanese 6 - 3 points  
Not available this year

JPN302 Japanese 7 - 3 points  
Not available this year

JPN303 Japanese 8 - 3 points  
Not available this year

##### **General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

##### **Recommended General Electives**

Students with advanced language skills may be eligible to enrol in a Semester in Japan. They should seek advice from the Academic Chair before enrolling in:

JPN443 Semester in Japan - 12 points  
MURDOCH: S1-internal, S2-internal

## ASIAN STUDIES HONOURS (BA(HONS))

School of Arts

Bachelor of Arts Honours (BA(Hons)) in Asian Studies

Course Codes: H1256

Duration: 1 year full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

### Admission Requirements (Onshore):

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Distinction average; subject to availability of a suitable supervisor and approval by the Associate Dean (Learning and Teaching) of the School.

English competence.

### Apply Online:

Applications can be made online at <http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

## Course Structure - 24 credit points

### Coursework - 12 credit points

ART604 Advanced Research Methods - 3 points  
MURDOCH: S1-internal, S1-external

ART503 Honours Seminar in Arts - 3 points  
MURDOCH: S1-internal

AST561 Honours Topic in Asian Studies A - 3 points  
MURDOCH: S1-internal, S2-internal, Y-internal

AST562 Honours Topic in Asian Studies B - 3 points  
MURDOCH: S1-internal, S2-internal, Y-internal

### Thesis - 12 credit points

AST569 Honours Thesis in Asian Studies - 12 points  
MURDOCH: S1-internal, S2-internal, Y-internal

## AUSTRALIAN INDIGENOUS STUDIES

### AUSTRALIAN INDIGENOUS STUDIES (BA)

School of Arts

Bachelor of Arts (BA) in Australian Indigenous Studies

Course Codes: B1316

Duration: 3 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

Australian Indigenous Studies is a dynamic, exciting field of enquiry. This major explores the resilience of Australian Indigenous peoples - their contemporary cultural expression, life experiences, and aspirations. Students critically engage with and apply a range of theories related to national identity and Indigeneity, decolonisation, and social justice. Upon completion, students will have the skills and knowledges to be effective agents of social change. Opportunities for hands-on learning include a final-year capstone Work Integrated Learning experience in an Indigenous context.

In the Bachelor of Arts you will develop a broad understanding of your field and proficiency in producing written and oral arguments and creative artifacts in response to social, human and natural phenomena. You will also develop a critical appreciation of the perspectives of others. As an Arts graduate you will be able to think critically and creatively, apply knowledge and information, and communicate effectively. These are professional skills which are critical across a range of industries. You will also be able to pursue further study in the fields of social research, the humanities and/or the creative arts.

### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

### Special Requirements:

There may be a reduction in choice of units if completing this course in the external mode.

### Employment Prospects:

A degree in Australian Indigenous Studies can be combined with a professional major to provide additional vocational training for disciplines including education, community development, the law, nursing or environmental science. An AIS degree also prepares people to work in the public service, and in Indigenous or other community organisations.

### Recommended Double Majors:

Communication and Media Studies; English and Creative Writing; History; Journalism; Philosophy; Politics and International Studies; Public Relations; Sociology; Sustainable Development; Sustainable Development (OUA)

### Excluded Minors:

Australian Indigenous Studies; Indigenous Community Engagement; Popular Culture, Indigeneity and Nationhood

### Main Research Areas:

History, environmental, sociology, heritage, community development, culture and media.

## Course Structure - 72 credit points

### Part I - 24 credit points

#### Year 1 - 24 credit points

##### Transition Unit - 3 credit points

BAR100 Academic Learning Skills - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### Breadth Unit for Degree - 3 credit points

BAR150 Ideas and Identity - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### Core Units - 6 credit points

AIS180 Introduction to Australian Indigenous Studies - 3 points  
MURDOCH: S1-internal, S1-external

AIS110 Introduction to Indigenous Popular Culture - 3 points  
MURDOCH: S2-internal, S2-external

##### General Electives - 12 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

### Part II - 48 credit points

#### Year 2 - 24 credit points

##### Research Skills Unit - 3 credit points

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

**For Primary Major in Social and Developmental Psychology**

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
MURDOCH: S1-internal

**For All Other Primary Majors**

BAR200 Developing Research Skills and Methods - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

**Core Unit - 3 credit points**

AI5204 Australian Indigenous Politics: Historical Contexts and Contemporary Issues - 3 points  
MURDOCH: S1-internal, S1-external

**Specified Electives - 6 credit points**

Select from the Specified Elective Unit List below.

**General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Year 3 - 24 credit points**

**Research Skills Unit - 3 credit points**

BAR300 Bachelor of Arts Research Skills Unit - 3 points  
Not available this year

**Breadth Unit University-Wide - 3 credit points**

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

**Core Unit - 3 credit points**

AI5308 Working with Indigenous Communities: Internship - 3 points  
MURDOCH: S1-internal, S2-internal

**Specified Electives - 6 credit points**

Select from the Specified Elective Unit List below.

**General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Specified Elective Unit List**

Select Specified Electives from the following units during Years 2 and 3 subject to individual prerequisites. At least two units must be at 300 level.

AI5234 Our Mob: Indigenous Community Engagement - 3 points  
MURDOCH: S1-internal, S1-external

AI5241 Indigenous Spirituality and Well-Being - 3 points  
Not available this year

AI5306 Country, Nature and Identity: Indigenous Sustainability - 3 points  
Not available this year

AI5307 Indigeneity, Critical Theory and Social Justice - 3 points  
Not available this year

AI5356 Reading Reconciliation - 3 points

Not available this year

## AUSTRALIAN INDIGENOUS STUDIES HONOURS (BA(HONS))

School of Arts

Bachelor of Arts Honours (BA(Hons)) in Australian Indigenous Studies

Course Codes: H1256

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

**Admission Requirements (Onshore):**

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Distinction average; subject to availability of a suitable supervisor and approval by the Associate Dean (Learning and Teaching) of the School.

English competence.

**Apply Online:**

Applications can be made online at <http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

### Course Structure - 24 credit points

**Coursework - 12 credit points**

ART604 Advanced Research Methods - 3 points  
MURDOCH: S1-internal, S1-external

AI5561 Honours Topic in Australian Indigenous Studies A - 3 points  
MURDOCH: S1-internal, S2-internal, Y-internal

AI5562 Honours Topic in Australian Indigenous Studies B - 3 points  
MURDOCH: S1-internal, S2-internal, Y-internal

ART503 Honours Seminar in Arts - 3 points  
MURDOCH: S1-internal

**Thesis - 12 credit points**

AI5569 Honours Thesis in Australian Indigenous Studies - 12 points  
MURDOCH: S1-internal, S2-internal, Y-internal

## BANKING

### BANKING (BBUS)

School of Management and Governance

Bachelor of Business (BBus) in Banking

Course Codes: B1318

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

Traditionally banks have recruited new staff directly from schools. Today they are recruiting more graduates from tertiary institutions. In banking units the student is exposed to the issue of information asymmetry that exists between the borrower and the lender and the need to design contracts that reveal and monitor the quality of the borrower. The units also consider the nature and legal implications

of the banker-customer relationship. The high debt that financial institutions have in their capital structure, the interest sensitivity of their assets and the liquidity that depositors demand result in unique interest, credit and liquidity risk management issues. These issues are further complicated by government regulation and directives. A fourth year of study is available in the form of an honours year.

A Bachelor of Business provides a broad understanding of individual, organisational and societal issues. You will have the practical skills to identify business opportunities, analyse problems and implement solutions and you will be able to demonstrate a knowledge of business principles across key functional areas. You will have depth of knowledge in one or more business disciplines: accounting, banking, business law, economics, finance, hospitality and tourism management, human resources management, international business, management, and marketing.

#### **Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

#### **Employment Prospects:**

Completion of the banking major will open up employment opportunities for students in all types of financial institutions.

#### **Professional Recognition:**

Graduates are potentially eligible for associate membership of the Financial Services Institute of Australasia (FINSIA). For advice on specific requirements students should contact FINSIA directly.

#### **Recommended Double Majors:**

Accounting; Finance

## **Course Structure - 72 credit points**

### **Part I - 24 credit points**

#### **Year 1 - 24 credit points**

##### **Transition Unit - 3 credit points**

BBS100 Academic Skills for Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### **Breadth Unit for Degree - 3 credit points**

BBS150 Transforming Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### **Core Units - 12 credit points**

BUS130 Foundational Mathematics for Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

BUS176 Foundations of Management and Governance - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

BUS171 Foundations of Economics - 3 points  
MURDOCH: S1-external, S2-internal, S2-external

BUS170 Foundations of Accounting - 3 points  
MURDOCH: S2-internal, S2-external

##### **General Electives - 6 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

### **Part II - 48 credit points**

#### **Year 2 - 24 credit points**

##### **Research Skills Unit - 3 credit points**

BBS200 Business Research: An Integrated Approach - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

#### **Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

#### **Core Units - 9 credit points**

BSL201 Finance Law - 3 points  
MURDOCH: S1-internal, S1-external

BUS286 Corporate Finance - 3 points  
MURDOCH: S2-internal, S2-external

BUS288 Treasury Management - 3 points  
MURDOCH: S1-internal, S1-external

#### **General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

#### **Year 3 - 24 credit points**

##### **Research Skills Unit - 3 credit points**

BBS300 Empirical Research Methods for Business - 3 points  
Not available this year

OR

BBS301 Business Research: Integrated and Mixed Methods - 3 points  
Not available this year

##### **Breadth Unit University-Wide - 3 credit points**

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

##### **Core Units - 9 credit points**

BUS307 Commercial Banking - 3 points  
Not available this year

BUS390 International Financial Markets and Institutions - 3 points  
Not available this year

BUS308 Credit and Lending Decisions - 3 points  
Not available this year

##### **General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

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## **BANKING (BCOM)**

School of Management and Governance

Bachelor of Commerce (BCom) in Banking

Course Codes: B1003 B1003A

Duration: 3 years full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal) (no new admissions from 2015 at this location for first-year commencing students)
- Murdoch campus (external) (no new admissions from 2015 at this location for first-year commencing students)
- SMF Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced by a Bachelor of Business)
- Kaplan Higher Education Institute and Kaplan Higher Education Academy (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced by a Bachelor

of Business)

Traditionally banks have recruited new staff directly from schools. Today they are recruiting more graduates from tertiary institutions. In banking units the student is exposed to the issue of information asymmetry that exists between the borrower and the lender and the need to design contracts that reveal and monitor the quality of the borrower. The units also consider the nature and legal implications of the banker-customer relationship. The high debt that financial institutions have in their capital structure, the interest sensitivity of their assets and the liquidity that depositors demand result in unique interest, credit and liquidity risk management issues. These issues are further complicated by government regulation and directives. A fourth year of study is available in the form of an honours year.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

**Employment Prospects:**

Completion of the banking major will open up employment opportunities for students in all types of financial institutions.

**Professional Recognition:**

Graduates are potentially eligible for associate membership of the Financial Services Institute of Australasia (FINSIA). For advice on specific requirements students should contact FINSIA directly.

**Course Structure - 72 credit points**

**Part I - 24 credit points**

**Foundation Unit - 3 credit points**

From 2014, Foundation units will no longer be offered. Students who have not yet successfully completed a Foundation unit will be required to enrol in the following Transition Unit.

BBS100 Academic Skills for Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Core Units - 15 credit points**

BSL165 Foundations of Business Law - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

OR

BUS165 Principles of Commercial Law - 3 points

BUS170 Foundations of Accounting - 3 points  
MURDOCH: S2-internal, S2-external

OR

BUS160 Introduction to Accounting - 3 points

BUS171 Foundations of Economics - 3 points  
MURDOCH: S1-external, S2-internal, S2-external

OR

BUS161 Introduction to Economics - 3 points

MAS180 Introduction to Statistics - 3 points  
MURDOCH: S1-external, S2-external

BUS140 Principles of Finance and Banking - 3 points

OR

BUS130 Foundational Mathematics for Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**General Electives - 6 credit points**

Select from any 100-level units offered by the University, subject

to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Part II - 48 credit points**

**Core Units - 24 credit points**

BSL206 Finance Law - 4 points

OR

BSL201 Finance Law - 3 points  
MURDOCH: S1-internal, S1-external

OR

BUS206 Finance Law - 4 points  
KAPLAN-SGP: TJA-internal, TSA-internal  
SGP1: TJB-internal, TSB-internal  
(no longer available at Murdoch campus: contact the Academic Chair for advice)

BUS224 Corporate Finance - 4 points  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal  
SGP1: TJB-internal, TSB-internal  
(no longer available at Murdoch campus: contact the Academic Chair for advice)

BUS244 Treasury Management - 4 points  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal  
SGP1: TJB-internal, TSB-internal  
(no longer available at Murdoch campus: contact the Academic Chair for advice)

BUS290 International Financial Markets and Institutions - 4 points  
MURDOCH: S1-internal, S1-external  
KAPLAN-SGP: TJA-internal, TSA-internal  
SGP1: TJB-internal, TSB-internal

BUS326 Commercial Banking - 4 points  
MURDOCH: S2-internal, S2-external  
KAPLAN-SGP: TMA-internal  
SGP1: TMB-internal

BUS337 Credit and Lending Decisions - 4 points  
MURDOCH: S1-internal, S1-external  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal  
SGP1: TJB-internal, TSB-internal

**General Electives - 24 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

Recommended for General Elective points only:

BUS267 Work-Based Learning - 3 points  
MURDOCH: S1-internal (quota of 50 places)

**BANKING HONOURS (BBus(HONS))**

School of Management and Governance

*Bachelor of Business Honours (BBus(Hons)) in Banking*

Course Codes: H1255

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop the ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

#### **Admission Requirements (Onshore):**

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Distinction average in units relating to the planned Honours study and a Distinction average overall. Subject to availability of a suitable supervisor and approval by the Dean of School.

English competence.

#### **Apply Online:**

Applications can be made online at <http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

### **Course Structure - 24 credit points**

#### **Coursework - 12 credit points**

##### **Core Units - 9 credit points**

MBS516 Advanced Honours Topic A - 3 points  
MURDOCH: S1-internal, S2-internal, Y-internal

MBS512 Advanced Honours Topic B - 3 points  
MURDOCH: S1-internal, S2-internal, Y-internal

MBS517 Advanced Honours Research Preparation - 3 points  
MURDOCH: S1-internal, S2-internal

##### **Elective Unit - 3 credit points**

Any 500 level unit - 3 points

#### **Thesis - 12 credit points**

MBS519 Honours Thesis - 12 points  
MURDOCH: S1-internal, S2-internal, Y-internal

## **BIOLOGICAL SCIENCES**

#### **See also:**

Biotechnology  
Conservation and Wildlife Biology  
Molecular Biology

### **BIOLOGICAL SCIENCES (BSC)**

School of Veterinary and Life Sciences

*Bachelor of Science (BSc) in Biological Sciences*

Course Codes: B1317

Duration: 3 years full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal)
- Some units only: Murdoch campus (external)

The Biological Sciences major aims to produce biologists with wide-ranging training and experience in a broad area of biology. It adopts an integrated approach to the major themes of biology, from the molecular and cellular levels to the whole organism and community levels. This is achieved by examining the common features and differences in the biochemistry, genetics, ecology and behaviour of micro-organisms, plants and animals.

In addition, students may select electives to place emphasis on animal biology, biochemistry, conservation biology, ecology, fisheries science, microbiology and molecular biology.

Murdoch's Bachelor of Science is a flexible degree which gives you the opportunity to build deep understanding and practical experience as well as to supplement your studies by engaging with industry and the community on relevant problems. You can even undertake studies through another discipline to broaden your

understanding of the way in which science operates in relation to social, business, health and policy environments.

#### **Admission Requirements (Onshore):**

As per normal undergraduate admission requirements. There are no prerequisites for admission but it is highly desirable for students to have undertaken TEE Chemistry or WACE Chemistry 3A/3B and at least TEE Discrete Mathematics or WACE Mathematics 2C/2D.

English competence.

#### **Special Requirements:**

Students will not be required to kill any vertebrate animal, although they may be required to work with vertebrate tissues or products. Some collection of invertebrate specimens is required.

#### **Employment Prospects:**

Graduates find employment with Federal, state and local agencies dealing with nature conservation and the Department of Agriculture and Food, hospitals and medical laboratories, in teaching and in the private sector. Employment prospects are broadened by taking a double major, or a major and one or more minors.

#### **Professional Recognition:**

Graduates are eligible for admission to a wide range of professional societies.

#### **Recommended Double Majors:**

Animal Health; Conservation and Wildlife Biology; Environmental Management and Sustainability; Environmental Science; Marine Science; Molecular Biology

#### **Main Research Areas:**

Animal and plant biology and conservation, molecular biology, plant pathology, microbiology, fisheries biology, plant/fungal interactions, plant tissue culture, behavioural ecology.

### **Major Prerequisites**

#### **Chemistry Background**

Students who achieved a final scaled score of 60 percent or more in Chemistry 3A/3B within the past three years should seek an exemption from their Academic Chair for CHE140 Fundamentals of Chemistry. Students who have completed previous chemistry not stated above should also consult their Academic Chair for clarification of their enrolment requirements.

### **Course Structure - 72 credit points**

#### **Part I - 24 credit points**

##### **Year 1 - 24 credit points**

##### **Transition Unit - 3 credit points**

BSC100 Building Blocks for Science Students - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### **Breadth Unit for Degree - 3 credit points**

BSC150 What is Science? - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### **Core Units - 15 credit points**

BIO103 Introduction to Environmental Biology - 3 points  
MURDOCH: S1-internal, S1-external

CHE140 Fundamentals of Chemistry - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

BIO152 Foundations of Cell and Molecular Biology - 3 points  
MURDOCH: S2-internal

CHE144 Foundations of Chemistry - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MAS183 Statistical Data Analysis - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**General Electives - 3 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Part II - 48 credit points****Year 2 - 24 credit points****Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

**For Primary Major in Cognitive Neuroscience and Health Psychology**

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
MURDOCH: S1-internal

**For Primary Majors in the Health Sciences, as listed**

Primary Major in Chiropractic Science, Exercise Physiology, Movement Science, or Sport and Health Science:

BSC206 Introduction to Research Methodology and Evidence Based Practice - 3 points  
MURDOCH: S2-internal

**For Primary Majors in Information Technology**

BSC203 Introduction to ICT Research Methods - 3 points  
MURDOCH: S1-internal, S1-external

**For All Other Primary Majors**

BSC200 Research in the Physical and Life Sciences - 3 points  
MURDOCH: S1-internal, S1-external

**Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

**Core Units - 12 credit points**

BIO245 Plant Diversity - 3 points  
MURDOCH: S1-internal

BIO244 Animal Diversity - 3 points  
MURDOCH: S2-internal

Plus two of the following three units:

BIO246 Microbiology I - 3 points  
MURDOCH: S1-internal

BIO247 Biochemistry I - 3 points  
MURDOCH: S2-internal

ENV241 Ecology - 3 points  
MURDOCH: S2-internal, S2-external

**General Electives - 6 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Year 3 - 24 credit points****Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

**For Primary Majors in Information Technology**

BSC301 Applied Research Skills in ICT - 3 points  
Not available this year

**For All Other Primary Majors**

BSC300 Bachelor of Science Research Skills Unit - 3 points  
Not available this year

**Breadth Unit University-Wide - 3 credit points**

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

**Core Units - 6 credit points**

BIO356 Genetics and Evolution - 3 points  
Not available this year

BIO379 Evolutionary Biology - 3 points  
Not available this year

**General Electives - 12 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**BIOLOGICAL SCIENCES HONOURS (BSC(HONS))**

School of Veterinary and Life Sciences

Bachelor of Science Honours (BSc(Hons)) in Biological Sciences

Course Codes: H1257

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

The aim of Honours is to extend the student's grasp of the principles and practice of the subject, and to develop ability for independent research, and to facilitate their entry into industry employment.

An Honours qualification of 2A is normally required for admission to higher research degree study.

**Admission Requirements (Onshore):**

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Credit average (GPA 2); subject to availability of a suitable supervisor and approval by the School Dean.

Students interested in enrolling in Honours are advised to contact the Academic Chair before application to discuss supervision of their potential research project.

English competence.

**Apply Online:**

Applications can be made online at <http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

**Course Structure - 24 credit points****Coursework - 3 credit points**

VLS683 Advanced Research Methods for Scientists - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Thesis - 21 credit points**

VLS560 Honours Thesis in Biological Sciences - 21 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

## BIOMEDICAL SCIENCE

### See also:

Forensic Biology  
Laboratory Medicine

### BIOMEDICAL SCIENCE (BSC)

School of Veterinary and Life Sciences

Bachelor of Science (BSc) in Biomedical Science

Course Codes: B1317

Duration: 3 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)

Biomedical Science applies the principles of cellular and molecular biology to the understanding of normal function and disease in humans.

The Biomedical Science major provides students with an opportunity to focus their training and experience in human and medical biology. It integrates the major themes of biomedical sciences at the molecular, cellular and whole-body level and addresses the remarkable advances being made by biomedical research. Knowledge from the fundamental disciplines of anatomy, physiology, biochemistry, histology and cell biology is integrated with, and applied to, knowledge in the paraclinical disciplines of pathology, microbiology, parasitology, immunology, molecular genetics, and pharmacology. Teaching of these fundamental subjects is carried out on a problem-solving basis dealing with body systems and diseases within each discipline.

The major also prepares students for dealing with the impact and ethics of the scientific approach used in biomedical sciences. The material within this major provides pre- and paraclinical training and is excellent preparation for a career in medical research or entry to a graduate medical degree.

Murdoch's Bachelor of Science is a flexible degree which gives you the opportunity to build deep understanding and practical experience as well as to supplement your studies by engaging with industry and the community on relevant problems. You can even undertake studies through another discipline to broaden your understanding of the way in which science operates in relation to social, business, health and policy environments.

### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

### Special Requirements:

Students are required to participate in practical work involving animals and/or fresh tissues from dead animals throughout the major.

### Employment Prospects:

Biomedical scientists find employment in hospitals, medical research institutes, universities, government agencies and the private sector where they are in demand as Medical Researchers, Medical Technologists, Biopharmaceutical Scientists, Health Department Administrators, Patent Attorneys, Medical Sales and Marketing Professionals, Biostatisticians and Teachers/Academics.

### Recommended Double Majors:

Forensic Biology and Toxicology; Mathematics and Statistics;  
Molecular Biology

### Excluded Minors:

Biomedical Science

### Main Research Areas:

Improvement of the understanding, treatment, prevention and diagnosis of human diseases including infectious diseases, cancer, genetic disease and complex diseases such as Alzheimer's, asthma and diabetes.

### Chemistry Background:

Students may need to complete one prerequisite depending on their background in chemistry and their final scaled score in TEE Chemistry within the past three years.

TEE Chemistry with a final scaled score of 60 percent or more

OR

CHE140 Fundamentals of Chemistry --3pts  
Murdoch : S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous chemistry not stated above should consult the Academic Chair for clarification of their enrolment requirements.

### Major Prerequisites

#### Chemistry Background

Students who achieved a final scaled score of 60 percent or more in Chemistry 3A/3B within the past three years should seek an exemption from their Academic Chair for CHE140 Fundamentals of Chemistry. Students who have completed previous chemistry not stated above should also consult their Academic Chair for clarification of their enrolment requirements.

### Course Structure - 72 credit points

#### Part I - 24 credit points

##### Year 1 - 24 credit points

##### Transition Unit - 3 credit points

BSC100 Building Blocks for Science Students - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### Breadth Unit for Degree - 3 credit points

BSC150 What is Science? - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### Core Units - 15 credit points

BMS101 Introduction to the Human Body - 3 points  
MURDOCH: S1-internal

CHE140 Fundamentals of Chemistry - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MAS183 Statistical Data Analysis - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

BMS107 Foundations of Vertebrate Form and Function - 3 points  
MURDOCH: S2-internal

BIO152 Foundations of Cell and Molecular Biology - 3 points  
MURDOCH: S2-internal

##### General Electives - 3 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

#### Part II - 48 credit points

##### Year 2 - 24 credit points

##### Research Skills Unit - 3 credit points

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.



**For Primary Major in Cognitive Neuroscience and Health Psychology**

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
MURDOCH: S1-internal

**For Primary Majors in the Health Sciences, as listed**

Primary Major in Chiropractic Science, Exercise Physiology, Movement Science, or Sport and Health Science:

BSC206 Introduction to Research Methodology and Evidence Based Practice - 3 points  
MURDOCH: S2-internal

**For Primary Majors in Information Technology**

BSC203 Introduction to ICT Research Methods - 3 points  
MURDOCH: S1-internal, S1-external

**For All Other Primary Majors**

BSC200 Research in the Physical and Life Sciences - 3 points  
MURDOCH: S1-internal, S1-external

**Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

**Core Units - 12 credit points**

BMS206 Biomedical Physiology - 3 points  
MURDOCH: S1-internal

BIO247 Biochemistry I - 3 points  
MURDOCH: S2-internal

BIO243 Immunology, Vaccines and Cell Culture - 3 points  
MURDOCH: S2-internal

BMS212 Medical Microbiology - 3 points  
MURDOCH: S1-internal

**General Electives - 6 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Year 3 - 24 credit points****Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

**For Primary Majors in Information Technology**

BSC301 Applied Research Skills in ICT - 3 points  
Not available this year

**For All Other Primary Majors**

BSC300 Bachelor of Science Research Skills Unit - 3 points  
Not available this year

**Breadth Unit University-Wide - 3 credit points**

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

**Core Units - 6 credit points**

BMS314 Mechanisms of Disease - 3 points  
Not available this year

BMS315 Advances in Medical Science - 3 points  
Not available this year

**General Electives - 12 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of

a second major or minor. Any recommended double majors and minors will be included in the major's description.

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**BIOMEDICAL SCIENCE HONOURS (BSC(HONS))**

School of Veterinary and Life Sciences

Bachelor of Science Honours (BSc(Hons)) in Biomedical Science

Course Codes: H1257

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

The aim of the Honours year is to extend the student's grasp of the principles and practice of their subject, to develop ability for independent research, and to facilitate their entry into industry employment.

An Honours qualification of at least 2A is normally required for admission to higher research degree study.

**Admission Requirements (Onshore):**

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Credit average (GPA 2); subject to availability of a suitable supervisor and approval by the School Dean.

Students interested in enrolling in Honours are advised to contact the Academic Chair before application to discuss supervision of their potential research project.

English competence.

**Apply Online:**

Applications can be made online at <http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

**Course Structure - 24 credit points****Coursework - 3 credit points**

VLS683 Advanced Research Methods for Scientists - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Thesis - 21 credit points**

VLS525 Honours Thesis in Biomedical Science - 21 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

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**BIOTECHNOLOGY****See also:**

Biological Sciences

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**BIOTECHNOLOGY HONOURS (BSC(HONS))**

School of Veterinary and Life Sciences

Bachelor of Science Honours (BSc(Hons)) in Biotechnology

Course Codes: H1257

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

The aim of the Honours year is to extend the student's grasp of the principles and practice of their subject, to develop ability for independent research, and to facilitate their entry into industry

employment.

An Honours qualification of at least 2A is normally required for admission to higher research degree study.

**Admission Requirements (Onshore):**

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Credit average (GPA 2); subject to availability of a suitable supervisor and approval by the School Dean.

Students interested in enrolling in Honours are advised to contact the Academic Chair before application to discuss supervision of their potential research project.

English competence.

**Apply Online:**

Applications can be made online at <http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

**Course Structure - 24 credit points**

**Coursework - 3 credit points**

VLS683 Advanced Research Methods for Scientists - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Thesis - 21 credit points**

VLS535 Honours Thesis in Biotechnology - 21 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

**BUSINESS INFORMATION SYSTEMS**

**BUSINESS INFORMATION SYSTEMS (BSC)**

School of Engineering and Information Technology

*Bachelor of Science (BSc) in Business Information Systems*

Course Codes: B1317

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

Information Systems is the study of information generation, communication, storage, and application in the context of organised human activity. The increasing penetration of information technology into everyday organisational activity means that professionals in many areas, from management to engineering, increasingly need an understanding of information systems. The contribution of information systems to the functioning of organisations, the design and management of such systems and the development of systems to assist in other professional roles is emphasised in the Business Information Systems degree.

Murdoch's Bachelor of Science is a flexible degree which gives you the opportunity to build deep understanding and practical experience as well as to supplement your studies by engaging with industry and the community on relevant problems. You can even undertake studies through another discipline to broaden your understanding of the way in which science operates in relation to social, business, health and policy environments.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

**Special Requirements:**

There may be a reduction in choice of units if completing this

course in the external mode. Individual units may require access to specific nominated software.

**Employment Prospects:**

Graduates typically find employment as business analysts. Graduates combining Business Information Systems with another major will experience enhanced employment prospects in that area.

**Professional Recognition:**

Eligible for membership of the Australian Computer Society at the Professional Level.

**Recommended Double Majors:**

Computer Science; Cyber Forensics and Information Security; Internetworking and Network Security

**Course Structure - 72 credit points**

**Part I - 24 credit points**

**Year 1 - 24 credit points**

**Transition Unit - 3 credit points**

BSC100 Building Blocks for Science Students - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Breadth Unit for Degree - 3 credit points**

BSC150 What is Science? - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Core Units - 15 credit points**

ICT158 Introduction to Information Systems - 3 points  
MURDOCH: S2-internal, S2-external

MAS162 Foundations of Discrete Mathematics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

ICT159 Foundations of Programming - 3 points  
MURDOCH: S1-internal, S1-external

ICT169 Foundations of Data Communications - 3 points  
MURDOCH: S2-internal, S2-external

ICT170 Foundations of Computer Systems - 3 points  
MURDOCH: S2-internal, S2-external

**General Electives - 3 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Part II - 48 credit points**

**Year 2 - 24 credit points**

**Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

**For Primary Major in Cognitive Neuroscience and Health Psychology**

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
MURDOCH: S1-internal

**For Primary Majors in the Health Sciences, as listed**

Primary Major in Chiropractic Science, Exercise Physiology, Movement Science, or Sport and Health Science:

BSC206 Introduction to Research Methodology and Evidence Based Practice - 3 points  
MURDOCH: S2-internal

**For Primary Majors in Information Technology**

BSC203 Introduction to ICT Research Methods - 3 points  
MURDOCH: S1-internal, S1-external

**For All Other Primary Majors**

BSC200 Research in the Physical and Life Sciences - 3 points  
MURDOCH: S1-internal, S1-external

**Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

**Core Units - 9 credit points**

ICT284 Systems Analysis and Design - 3 points  
MURDOCH: S1-internal, S1-external

ICT285 Databases - 3 points  
MURDOCH: S2-internal, S2-external

ICT292 Information Systems Management - 3 points  
MURDOCH: S2-internal, S2-external

**General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Year 3 - 24 credit points****Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

**For Primary Majors in Information Technology**

BSC301 Applied Research Skills in ICT - 3 points  
Not available this year

**For All Other Primary Majors**

BSC300 Bachelor of Science Research Skills Unit - 3 points  
Not available this year

**Breadth Unit University-Wide - 3 credit points**

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

**Core Units - 9 credit points**

ICT393 Advanced Business Analysis and Design - 3 points  
Not available this year

ICT301 Enterprise Architectures - 3 points  
Not available this year

ICT394 Business Intelligence Application Development - 3 points  
Not available this year

**General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**BUSINESS INFORMATION SYSTEMS (BSC)**

School of Engineering and Information Technology

Bachelor of Science (BSc) in Business Information Systems

Course Codes: B1205 B1205A

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal) (no new admissions from 2015 at this

location for first-year commencing students)

- Murdoch campus (external) (no new admissions from 2015 at this location for first-year commencing students)
- SMF Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced with a new version with the same name)
- Kaplan Higher Education Institute and Kaplan Higher Education Academy (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced with a new version with the same name)
- Murdoch University International Study Centre (Dubai, UAE) ['DUBAI-ISC'] (internal) (by formal agreement) (language of instruction: English)

Information Systems is the study of information generation, communication, storage, and application in the context of organised human activity. The increasing penetration of information technology into everyday organisational activity means that professionals in many areas, from management to engineering, increasingly need an understanding of information systems. The contribution of information systems to the functioning of organisations, the design and management of such systems and the development of systems to assist in other professional roles is emphasised in the Business Information Systems degree.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

**Special Requirements:**

There may be a reduction in choice of units if completing this course in the external mode. Individual units may require access to specific nominated software.

**Employment Prospects:**

Graduates typically find employment as business analysts. Graduates combining Business Information Systems with another major will experience enhanced employment prospects in that area.

**Professional Recognition:**

Eligible for membership of the Australian Computer Society at the Professional Level.

**Recommended Double Majors:**

Computer Science; Cyber Forensics, Information Security and Management

**Course Structure - 72 credit points****Part I - 24 credit points****Foundation Unit - 3 credit points**

From 2014, Foundation units will no longer be offered at the Murdoch Campus. Students who have not yet successfully completed a Foundation unit will be required to enrol in the following Transition Unit.

BSC100 Building Blocks for Science Students - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Students enrolled at the Dubai or Kaplan campus will enrol in:

FDN107 Next Life - 3 points  
DUBAI-ISC: TJD-internal, TMD-internal, TSD-internal  
KAPLAN-SGP: TMA-internal, TSA-internal

**Core Units - 12 credit points**

ICT102 Introduction to Computer Science - 3 points  
DUBAI-ISC: TJD-internal, TSD-internal

ICT103 Introduction to Data Communications - 3 points

DUBAI-ISC: TJD-internal, TSD-internal

ICT107 Principles of Information Systems - 3 points  
DUBAI-ISC: TJD-internal, TSD-internal

ICT108 Introduction to Internet and Mobile Technologies - 3 points  
DUBAI-ISC: TMD-internal

### Specified Electives - 3 credit points

Select from the following:

MAS180 Introduction to Statistics - 3 points  
MURDOCH: S1-external, S2-external  
DUBAI-ISC: TMD-internal

MAS183 Statistical Data Analysis - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MAS167 Computational Mathematics - 3 points  
DUBAI-ISC: TJD-internal, TSD-internal

OR

MAS162 Foundations of Discrete Mathematics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

BUS145 Principles of Management - 3 points  
DUBAI-ISC: TJD-internal, TSD-internal

BUS170 Foundations of Accounting - 3 points  
MURDOCH: S2-internal, S2-external

OR

BUS160 Introduction to Accounting - 3 points  
DUBAI-ISC: TJD-internal, TSD-internal

### General Electives - 6 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

## Part II - 48 credit points

### Core Units - 24 credit points

ICT231 Systems Analysis and Design - 4 points  
DUBAI-ISC: TSD-internal  
KAPLAN-SGP: TJA-internal, TSA-internal  
SGP1: TJB-internal, TSB-internal

ICT353 Advanced Business Analysis and Design - 4 points  
MURDOCH: S2-internal, S2-external  
DUBAI-ISC: TMD-internal  
KAPLAN-SGP: TJA-internal, TMA-internal  
SGP1: TMB-internal, TSB-internal

ICT218 Databases - 4 points  
DUBAI-ISC: TMD-internal, TSD-internal  
KAPLAN-SGP: TMA-internal, TSA-internal  
SGP1: TSB-internal

ICT333 Information Technology Project - 4 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external  
DUBAI-ISC: TJD-internal, TMD-internal, TSD-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal  
SGP1: TJB-internal, TMB-internal, TSB-internal

ICT208 Business Intelligence Tools and Techniques - 4 points  
MURDOCH: S1-external  
DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal  
SGP1: TMB-internal, TSB-internal

ICT256 Knowledge Management Techniques - 4 points  
DUBAI-ISC: TMD-internal  
KAPLAN-SGP: TJA-internal

SGP1: TJB-internal

### General Electives - 24 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

Recommended:

ICT325 Human-Computer Interaction - 4 points  
MURDOCH: S1-internal, S1-external

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## BUSINESS INFORMATION SYSTEMS HONOURS (BSC(HONS))

School of Engineering and Information Technology

Bachelor of Science Honours (BSc(Hons))

Course Codes: H1257

Duration: 1 year full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)

The aim of Honours is to provide training in research and the development of higher-level skills. The student's grasp of the principles and practice of their subject will be extended and they will develop ability for independent research.

### Admission Requirements (Onshore):

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Distinction average; subject to availability of a suitable supervisor and approval by the Associate Dean (Learning and Teaching) of the School.

### Apply Online:

Applications can be made online at <http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

## Course Structure - 24 credit points

### Coursework - 12 credit points

ICT615 Information Technology Research Methods - 3 points  
MURDOCH: S1-internal

ICT576 Information Technology Literature Review - 3 points  
MURDOCH: S1-internal, S2-internal

Plus two 500-level IT units approved by the Academic Chair - 3 points

### Thesis - 12 credit points

ICT520 Honours Thesis in Business Information Systems - 12 points  
MURDOCH: S1-internal, S2-internal, Y-internal

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## BUSINESS LAW

### BUSINESS LAW (BBus)

School of Law

Bachelor of Business (BBus) in Business Law

Course Codes: B1318

Duration: 3 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)
- Some units only: Murdoch campus (external)

The Business Law major complements majors in accounting, finance, management and other business disciplines. The major also supplements legal studies that are not business oriented. Whether students are interested in government or private enterprise work, completion of the major will allow for an appreciation of relevant legal principles applicable to many areas of business. Increasing regulation of business activity means professionals need legal knowledge that equips them to make informed decisions and to recognise the need for further specific legal services. The major includes the study of contemporary business law for this use. The legal environment of business is exposed with a focus on skill development in legal problem solving.

A fourth year of study is available in the form of an honours year.

A Bachelor of Business provides a broad understanding of individual, organisational and societal issues. You will have the practical skills to identify business opportunities, analyse problems and implement solutions and you will be able to demonstrate a knowledge of business principles across key functional areas. You will have depth of knowledge in one or more business disciplines: accounting, banking, business law, economics, finance, hospitality and tourism management, human resources management, international business, management, and marketing.

#### **Admission Requirements (Onshore):**

As per normal undergraduate admission.

English competence.

#### **Employment Prospects:**

Prospective employers would include government agencies and medium to large corporations.

#### **Recommended Double Majors:**

Accounting; Finance; Human Resources Management; Management; Marketing

#### **Excluded Majors:**

Law + Business [Combined]

#### **Excluded Minors:**

Business Law

#### **Main Research Areas:**

Business law; Business regulation.

## **Course Structure - 72 credit points**

### **Part I - 24 credit points**

#### **Year 1 - 24 credit points**

##### **Transition Unit - 3 credit points**

BBS100 Academic Skills for Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### **Breadth Unit for Degree - 3 credit points**

BBS150 Transforming Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### **Core Units - 12 credit points**

BUS130 Foundational Mathematics for Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

BUS176 Foundations of Management and Governance - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

BUS170 Foundations of Accounting - 3 points  
MURDOCH: S2-internal, S2-external

BSL165 Foundations of Business Law - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### **General Electives - 6 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

### **Part II - 48 credit points**

#### **Year 2 - 24 credit points**

##### **Research Skills Unit - 3 credit points**

BBS200 Business Research: An Integrated Approach - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### **Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

##### **Core Units - 9 credit points**

BSL201 Finance Law - 3 points  
MURDOCH: S1-internal, S1-external

BSL202 Workplace Law - 3 points  
MURDOCH: S2-internal, S2-external

BSL203 Marketing and Advertising Law - 3 points  
MURDOCH: S1-internal, S1-external

##### **General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

#### **Year 3 - 24 credit points**

##### **Research Skills Unit - 3 credit points**

BBS300 Empirical Research Methods for Business - 3 points  
Not available this year

OR

BBS301 Business Research: Integrated and Mixed Methods - 3 points  
Not available this year

##### **Breadth Unit University-Wide - 3 credit points**

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

##### **Core Units - 9 credit points**

BSL305 Company Law - 3 points  
Not available this year

BUS303 Taxation - 3 points  
Not available this year

BSL312 Business Law in a Global Context - 3 points  
Not available this year

##### **General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

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## **BUSINESS LAW (BCOM)**

School of Law

Bachelor of Commerce (BCom) in Business Law

Course Codes: B1003 B1003A

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal) (not available to new admissions at this location)
- Kaplan Higher Education Institute and Kaplan Higher Education Academy (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced by a Bachelor of Business)
- Some units only: Murdoch campus (external) (not available to new admissions at this location)

The Business Law major complements majors in accounting, finance, management and other business disciplines. The major also supplements legal studies that are not business oriented. Whether students are interested in government or private enterprise work, completion of the major will allow for an appreciation of relevant legal principles applicable to many areas of business operation. Increasing regulation of business activity means professionals need legal knowledge that equips them to make informed decisions and to recognise the need for further specific legal services. The major includes the study of contemporary business law for this use. The legal environment of business is exposed with a focus on skill development in legal problem solving.

A fourth year of study is available in the form of an honours year.

**Admission Requirements (Onshore):**

As per normal undergraduate admission.

English competence.

**Employment Prospects:**

Prospective employers would include government agencies and medium to large corporations.

**Main Research Areas:**

Business law; Business regulation.

**Course Structure - 72 credit points****Part I - 24 credit points****Foundation Unit - 3 credit points**

From 2014, Foundation units will no longer be offered. Students who have not yet successfully completed a Foundation unit will be required to enrol in the following Transition Unit.

BBS100 Academic Skills for Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Core Units - 12 credit points**

LEG150 Introduction to Legal Studies - 3 points  
Not available this year

BUS170 Foundations of Accounting - 3 points  
MURDOCH: S2-internal, S2-external

BUS145 Principles of Management - 3 points

BSL165 Foundations of Business Law - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**General Electives - 9 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Part II - 48 credit points****Core Units - 24 credit points**

BSL206 Finance Law - 4 points  
(no longer available)

OR

BSL201 Finance Law - 3 points  
MURDOCH: S1-internal, S1-external

OR

BUS206 Finance Law - 4 points  
KAPLAN-SGP: TJA-internal, TSA-internal  
(no longer available at Murdoch campus: contact the Academic Chair for advice)

BSL228 Workplace Law - 4 points  
(no longer available)

OR

BSL202 Workplace Law - 3 points  
MURDOCH: S2-internal, S2-external

OR

BUS228 Workplace Law - 4 points  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal  
(no longer available at Murdoch campus: contact the Academic Chair for advice)

BSL328 Company Law - 4 points  
MURDOCH: S2-internal, S2-external

OR

BUS328 Company Law - 4 points  
KAPLAN-SGP: TMA-internal

BSL209 Marketing and Advertising Law - 4 points  
(no longer available)

OR

BSL203 Marketing and Advertising Law - 3 points  
MURDOCH: S1-internal, S1-external

OR

BUS209 Marketing and Advertising Law - 4 points  
KAPLAN-SGP: TJA-internal, TSA-internal  
(no longer available at Murdoch campus: contact the Academic Chair for advice)

BUS313 Taxation - 4 points  
MURDOCH: S1-internal, S1-external  
KAPLAN-SGP: TJA-internal, TSA-internal

LEG321 Dispute Resolution - 4 points  
MURDOCH: S1-internal (closed as the offering has reached capacity)

OR

BUS207 Tourism and Hospitality Law - 4 points  
KAPLAN-SGP: TJA-internal, TSA-internal  
(no longer available at Murdoch campus: contact the Academic Chair for advice)

**General Electives - 24 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

Recommended for General Elective points only:

BUS267 Work-Based Learning - 3 points  
MURDOCH: S1-internal (quota of 50 places)

## BUSINESS LAW HONOURS (BBUS(HONS))

School of Law

Bachelor of Business Honours (BBus(Hons)) in Business Law

Course Codes: H1255

Duration: 1 year full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop the ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

### Admission Requirements (Onshore):

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Distinction average in units relating to the planned Honours study and a Distinction average overall. Subject to availability of a suitable supervisor and approval by the Dean of School.

English competence.

### Apply Online:

Applications can be made online at <http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

### Employment Prospects:

Prospective employers would include government agencies and medium to large corporations.

### Main Research Areas:

Business Law

## Course Structure - 24 credit points

### Coursework - 12 credit points

MBS516 Advanced Honours Topic A - 3 points  
MURDOCH: S1-internal, S2-internal, Y-internal

MBS512 Advanced Honours Topic B - 3 points  
MURDOCH: S1-internal, S2-internal, Y-internal

MBS517 Advanced Honours Research Preparation - 3 points  
MURDOCH: S1-internal, S2-internal

Any Masters unit (500-level) from a Law discipline - 3 points

### Thesis - 12 credit points

MBL519 Honours Thesis in Business Law - 12 points  
Not available this year

## CHEMISTRY

### CHEMISTRY (BSC)

School of Engineering and Information Technology

Bachelor of Science (BSc) in Chemistry

Course Codes: B1317

Duration: 3 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

Chemistry is widely applicable to almost all other areas of science and has many industrial applications. Chemists play leading roles in the fight against disease, criminal investigations, the discovery and

utilisation of natural resources, the development of sustainable industrial processes, and new materials for applications in nanotechnology.

The Chemistry major has been designed to provide students with a thorough understanding of chemistry whilst retaining the flexibility to study complementary areas of interest.

Murdoch's Bachelor of Science is a flexible degree which gives you the opportunity to build deep understanding and practical experience as well as to supplement your studies by engaging with industry and the community on relevant problems. You can even undertake studies through another discipline to broaden your understanding of the way in which science operates in relation to social, business, health and policy environments.

### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

It is recommended that students entering this major have completed WACE Chemistry 3A/3B, Physics 3A/3B and Mathematics: Specialist 3C/3D.

Applicants with other backgrounds will be considered for admission, but may need make-up units in first year.

English competence.

### Special Requirements:

Students enrolling in units that have a practical component must make allowance for on-campus attendance to complete the practical work. The on-campus sessions for external students are generally held in a one-week block for each unit; the dates are published in each unit guide.

### Employment Prospects:

The employment situation for graduates with a Chemistry degree is bright, especially for those who combine chemistry with other disciplines. Opportunities for chemists are not limited to Australia, and the skills and knowledge acquired in a chemistry degree are valued around the world. The skills learned whilst studying chemistry can take graduates on to a satisfying career in numerous fields both in and out of the lab anywhere in the world. Chemists are found in roles within law and accounting firms, NGOs, government policy positions at the local and international level, and the art world. Creativity, passion, logical thinking, problem solving, and the ability to analyse complex situations are all skills at the top of any employer's list of desirable attributes. Chemists have these abilities in abundance. That's why chemists can be found at the forefront of research, teaching, the arts, and business.

### Professional Accreditation:

Accredited by the Royal Australian Chemical Institute (RACI).

### Professional Recognition:

With an appropriate choice of units, graduates are eligible for membership of the professional organisation for chemists, the Royal Australian Chemical Institute (RACI).

### Recommended Double Majors:

Environmental Science; Forensic Biology and Toxicology; Mathematics and Statistics; Mineral Science; Molecular Biology; Physics and Nanotechnology

### Excluded Minors:

Organic and Biological Chemistry

### Main Research Areas:

Solution chemistry, energy storage, hydrometallurgical chemistry, chemical analysis, advanced materials, bioprocessing and natural products chemistry.

### Major Prerequisites

**Chemistry Background**

Students may need to complete prerequisite units depending upon their background in chemistry and their final scaled score in Chemistry 3A/3B within the past three years.

Chemistry 3A/3B with a final scaled score of 50 percent or more

OR

CHE140 Fundamentals of Chemistry - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous chemistry not stated above should consult their Academic Chair for clarification of their enrolment requirements.

**Mathematics Background**

Students may need to complete prerequisite units depending on their background in mathematics and their final scaled score in Mathematics 3C/3D or Mathematics: Specialist 3C/3D within the past three years.

Students who have not achieved a final scaled score of 55 percent or higher in WACE Mathematics (3C/3D) need to complete as a bridging unit:

MAS164 Fundamentals of Mathematics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous mathematics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

**Physics Background**

Students may need to complete prerequisite units depending on their background in physics and their final scaled score in Physics 3A/3B within the past three years.

Physics 3A/3B with a final scaled score of 60 percent or more

OR

PEN120 General Physics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous physics studies not stated above should consult the Academic Chair for clarification of their enrolment requirements.

**Course Structure - 72 credit points****Part I - 24 credit points****Year 1 - 24 credit points****Transition Unit - 3 credit points**

BSC100 Building Blocks for Science Students - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Breadth Unit for Degree - 3 credit points**

BSC150 What is Science? - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Core Units - 15 credit points**

CHE145 Introduction to Chemical Concepts - 3 points  
MURDOCH: S2-internal, S2-external

MAS182 Applied Mathematics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

PEN152 Principles of Physics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

CHE144 Foundations of Chemistry - 3 points

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MAS161 Calculus and Matrix Algebra - 3 points  
MURDOCH: S2-internal, S2-external

**General Electives - 3 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Part II - 48 credit points****Year 2 - 24 credit points****Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

**For Primary Major in Cognitive Neuroscience and Health Psychology**

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
MURDOCH: S1-internal

**For Primary Majors in the Health Sciences, as listed**

Primary Major in Chiropractic Science, Exercise Physiology, Movement Science, or Sport and Health Science:

BSC206 Introduction to Research Methodology and Evidence Based Practice - 3 points  
MURDOCH: S2-internal

**For Primary Majors in Information Technology**

BSC203 Introduction to ICT Research Methods - 3 points  
MURDOCH: S1-internal, S1-external

**For All Other Primary Majors**

BSC200 Research in the Physical and Life Sciences - 3 points  
MURDOCH: S1-internal, S1-external

**Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

**Core Units - 9 credit points**

CHE205 Organic and Biological Chemistry I - 3 points  
MURDOCH: S2-internal, S2-external

CHE207 Chemical Analysis - 3 points  
MURDOCH: S1-internal, S1-external

CHE202 Physical Chemistry I - 3 points  
MURDOCH: S1-internal, S1-external

**General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Year 3 - 24 credit points****Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

**For Primary Majors in Information Technology**

BSC301 Applied Research Skills in ICT - 3 points  
Not available this year

**For All Other Primary Majors**

BSC300 Bachelor of Science Research Skills Unit - 3 points  
Not available this year



**Breadth Unit University-Wide - 3 credit points**

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

**Core Units - 9 credit points**

CHE347 Physical Chemistry II - 3 points  
Not available this year

CHE308 Organic and Biological Chemistry II - 3 points  
Not available this year

CHE304 Materials Chemistry - 3 points  
Not available this year

**General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Additional Professional Accreditation Requirements**

Students seeking RACI accreditation must complete at least two Part I subjects in Physics or Mathematics, or a combination of the two at an appropriate level. For example, successful completion of:

PEN152 Principles of Physics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MAS182 Applied Mathematics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

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**CHEMISTRY HONOURS (BSC(HONS))**

School of Engineering and Information Technology

Bachelor of Science Honours (BSc(Hons)) in Chemistry

Course Codes: H1257

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

The Honours year is used to extend a student's grasp of the principles and practice of chemistry by undertaking a rigorous, research-based project. Mentoring by a member of staff enables Honours students to develop the ability for creative, independent research. Students are expected to be involved in the entire research process from concept through to writing and presenting the data obtained, along the way developing skills in advanced chemical technique, project management, high-level problem solving, and communication of research findings to peers.

Successful completion of the Honours course is required for admission to research degrees (i.e. Masters or PhD degrees).

**Admission Requirements (Onshore):**

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Distinction average; subject to availability of a suitable supervisor and approval by the Associate Dean (Learning and Teaching) of the School.

English competence.

**Apply Online:**

Applications can be made online at  
<http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

**Employment Prospects:**

Graduates can expect to find employment in a range of disciplines where research and problem solving skills are in demand. Honours graduates are favourably looked upon by employers as successful completion of a year long project provides concrete evidence of

chemical, project management, problem solving, and communication skills.

**Professional Recognition:**

Graduates may be eligible for full membership of the Royal Australian Chemical Institute.

**Course Structure - 24 credit points****Coursework - 6 credit points**

CHE576 Literature Review - 3 points  
MURDOCH: S1-internal, S2-internal

VLS683 Advanced Research Methods for Scientists - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Thesis - 18 credit points**

CHE500 Honours Thesis in Chemistry - 18 points  
MURDOCH: H-internal, Y-internal

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**CHIROPRACTIC****See also:**

Exercise Physiology  
Sports Science

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**CHIROPRACTIC SCIENCE + CLINICAL CHIROPRACTIC (BSC+BCLINCHIRO)**

School of Health Professions

Bachelor of Science (BSc) in Chiropractic Science + Bachelor of Clinical Chiropractic (BCLinChiro)

Course Codes: B1331

Duration: 5 years full-time

**Availability:**

- Murdoch campus (internal)

Restriction: Enrolment is subject to restriction due to constraints on unit enrolments.

The Chiropractic Science major within the Bachelor of Science provides specialised knowledge enabling students to understand the fundamental elements of human anatomy, immunology, genetics, and microbiology. The major also includes a thorough understanding of chiropractic skills including physical examination, diagnosis with an emphasis on clinical orthopaedics and neurology. The major will provide skills to allow students to progress to the Bachelor of Clinical Chiropractic which prepares graduates for registration as Chiropractors within Australia and New Zealand.

The Bachelor of Clinical Chiropractic aims to build on the BSc (Chiropractic Science) to produce registrable graduates who have the evidence based practice skills to diagnose, treat and prevent pain and disability of the spine and musculoskeletal system. Graduates become proficient in manual and other therapies, physical rehabilitation and general well-being. As primary contact practitioners graduates will also be able to recognise signs and symptoms of a wide variety of other conditions and where appropriate refer to other health providers.

The Bachelor of Science (Chiropractic Science) degree is conferred following successful completion of the first three years of study. The Bachelor of Clinical Chiropractic degree is awarded following the successful completion of the final two years of study. Both degrees are essential for registration and clinical practice.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements with Physics 3A/3B, Chemistry 3A/3B, Mathematics and Human Biological Science 3A/3B as highly recommended subjects.

English competence.

**Professional Accreditation:**

This course is accredited by the Council on Chiropractic Education Australasia (CCEA). Graduates are eligible for registration with the Chiropractors Registration Board of Western Australia and are also eligible for registration in all other states and territories of Australia as well as New Zealand. Graduates from CCE (Council on Chiropractic Education) accredited educational institutions are eligible to sit registration examinations in the United States, the United Kingdom, Europe and other parts of the world in accordance with the laws of each individual country.

**Additional Academic Progress Requirements:**

\* Students are required to complete Chiropractic studies on a full-time basis, unless prevented by academic progress restrictions;  
\* Students who fail more than two core units per level (100, 200, 300, 400, 500), as well as students who fail a core unit a second time, will be excluded from the course for a period of no less than one teaching period following the teaching period in which the unit was failed, after a mandatory interview process with the Academic Chair. They may apply for readmission to the course after this time.

**Immunisation:**

Students should note that immunisation is required for the chiropractic program according to Category A, Schedule 1 of the University policy on vaccinations, seen here:  
<https://policy.murdoch.edu.au/dotNet/documents/?docid=1536&mode=view>

Other vaccinations may be required when treating special populations.

**Course Structure - 120 credit points**

**Part I - 24 credit points**

**Year 1 - 24 credit points**

**Transition Unit - 3 credit points**

BSC100 Building Blocks for Science Students - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Breadth Unit for Degree - 3 credit points**

BSC150 What is Science? - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Core Units - 18 credit points**

CHI109 Introduction to Chiropractic - 3 points  
MURDOCH: S2-internal

BMS101 Introduction to the Human Body - 3 points  
MURDOCH: S1-internal

BMS107 Foundations of Vertebrate Form and Function - 3 points  
MURDOCH: S2-internal

BIO152 Foundations of Cell and Molecular Biology - 3 points  
MURDOCH: S2-internal

CHI108 Introduction to Human Anatomy - 3 points  
MURDOCH: S2-internal (quota of 225 places)

CHE140 Fundamentals of Chemistry - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Part II - 96 credit points**

**Year 2 - 24 credit points**

**Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

**Research Skills Unit - 3 credit points**

BSC206 Introduction to Research Methodology and Evidence Based Practice - 3 points

MURDOCH: S2-internal

**Core Units - 18 credit points**

CHI255 Human Anatomy I - 3 points  
Not available this year

BMS206 Biomedical Physiology - 3 points  
MURDOCH: S1-internal

CHI205 Immunology, Genetics and Microbiology - 3 points  
Not available this year

BIO247 Biochemistry I - 3 points  
MURDOCH: S2-internal

CHI234 Human Anatomy II - 3 points  
Not available this year

CHI293 Physical Examination - 3 points  
Not available this year

**Year 3 - 24 credit points**

**Research Skills Unit - 3 credit points**

BSC300 Bachelor of Science Research Skills Unit - 3 points  
Not available this year

**Core Units - 21 credit points**

CHI391 Processes in Human Disease - 3 points  
Not available this year

CHI354 Chiropractic Skills - 3 points  
Not available this year

CHI335 Diagnosis I - 3 points  
Not available this year

CHI336 Diagnosis II - 3 points  
Not available this year

CHI337 Diagnosis III - 3 points  
Not available this year

CHI338 Technique I - 3 points  
Not available this year

CHI339 Technique II - 3 points  
Not available this year

**Year 4 - 24 credit points**

**Core Units - 24 credit points**

CHI440 Clinical Radiology - 3 points  
Not available this year

CHI456 Differential Diagnosis - 3 points  
Not available this year

CHI459 Applied Nutrition and Pharmacology - 3 points  
Not available this year

CHI484 Pre-clinical Practicum - 6 points  
MURDOCH: Y1-internal

CHI457 Clinical Biomechanics - 3 points  
Not available this year

CHI448 Rehabilitation and Physical Therapy I - 3 points  
Not available this year

CHI441 Radiography: Principles and Positioning - 3 points  
Not available this year

**Year 5 - 24 credit points**

**Core Units - 24 credit points**

CHI449 Rehabilitation and Physical Therapy II - 3 points  
Not available this year

CHI466 Mental Health Issues in Chiropractic Care and Pharmacology - 3 points

Not available this year

CHI400 Clinical Practicum - 12 points  
Not available this year

CHI467 Ethics, Jurisprudence and Professional Practice  
Management - 3 points  
Not available this year

CHI458 Public Health - 3 points  
Not available this year

### Additional Academic Progress Requirements

\* Students are required to complete Chiropractic studies on a full-time basis, unless prevented by academic progress restrictions;  
\* Students who fail more than two core units per level (100, 200, 300, 400, 500), as well as students who fail a core unit a second time, will be excluded from the course for a period of no less than one teaching period following the teaching period in which the unit was failed, after a mandatory interview process with the Academic Chair. They may apply for readmission to the course after this time.

## CHIROPRACTIC HONOURS (BSC(HONS))

School of Health Professions

Bachelor of Science Honours (BSc(Hons)) in Chiropractic

Course Codes: H1257

Duration: 1 year full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

This unit allows students to gain knowledge in the field of research specifically addressing research components and epidemiology. Students acquire an appreciation of the research process and an understanding of terminology needed to critically read literature. A 3 point unit involving a writing exercise will be required allowing the student to develop their research protocol.

### Admission Requirements (Onshore):

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a credit average; subject to availability of a suitable supervisor and approval by the Associate Dean (Learning and Teaching) of the School.

English competence.

### Apply Online:

Applications can be made online at  
<http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

### Employment Prospects:

Research assistant in clinical research.

### Main Research Areas:

Chiropractic clinical research.

## Course Structure - 24 credit points

### Coursework - 9 credit points

EXS691 Research Methods in Exercise and Rehabilitation Sciences - 9 points

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

### Thesis - 15 credit points

CHI550 Honours Thesis in Chiropractic - 15 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external,  
Y-internal, Y-external

## COMMUNICATION AND MEDIA STUDIES

### COMMUNICATION AND MEDIA STUDIES (BA)

School of Arts

Bachelor of Arts (BA) in Communication and Media Studies

Course Codes: B1316

Duration: 3 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)
- Some units only: Murdoch campus (external) (all but one unit)

This major provides students with skills and expertise for work in contemporary communication, media and cultural industries characterised by rapid change, digitalisation and technological innovation. Students are equipped with the knowledge base and skills for analysing and producing both traditional and new media texts, as well as understanding communication and cultural processes in the emerging creative industries. As the units in this major cover a wide range of critical communication issues, cultural theory and media concepts, students completing this course are well placed to embark on a research career in the industry or enrol for further studies at Honours and/or graduate level.

In the Bachelor of Arts you will develop a broad understanding of your field and proficiency in producing written and oral arguments and creative artifacts in response to social, human and natural phenomena. You will also develop a critical appreciation of the perspectives of others. As an Arts graduate you will be able to think critically and creatively, apply knowledge and information, and communicate effectively. These are professional skills which are critical across a range of industries. You will also be able to pursue further study in the fields of social research, the humanities and/or the creative arts.

### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

### Employment Prospects:

Graduates can expect to find employment in a wide range of fields, from the creative industries (new media, public relations, advertising, journalism, radio, television, music and print) to management, administration, government, public policy, media research, academia and teaching.

### Recommended Double Majors:

Australian Indigenous Studies; English and Creative Writing; Journalism; Public Relations; Screen Production

### Excluded Minors:

Communication; Media Studies; Social Justice in Contemporary Culture

### Main Research Areas:

Communication Studies, Media Studies, Creative Industries, Communication Policy, Media Audiences, Global Media.

## Course Structure - 72 credit points

### Part I - 24 credit points

#### Year 1 - 24 credit points

#### Transition Unit - 3 credit points

BAR100 Academic Learning Skills - 3 points

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

#### Breadth Unit for Degree - 3 credit points

BAR150 Ideas and Identity - 3 points

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

#### Core Units - 9 credit points

CMS101 Introduction to Media Studies - 3 points  
MURDOCH: S2-internal, S2-external

CMS100 Introduction to Communication - 3 points  
MURDOCH: S1-internal, S1-external

CMS102 Contemporary Culture - 3 points  
MURDOCH: S2-internal, S2-external

#### General Electives - 9 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

### Part II - 48 credit points

#### Year 2 - 24 credit points

##### Research Skills Unit - 3 credit points

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

##### For Primary Major in Social and Developmental Psychology

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
MURDOCH: S1-internal

##### For All Other Primary Majors

BAR200 Developing Research Skills and Methods - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### Breadth Unit University-Wide - 3 credit points

Select one 200-level University Breadth Unit.

#### Core Units - 9 credit points

CMS201 Screen: Small, Medium and Large - 3 points  
MURDOCH: S1-internal, S1-external

CMS202 Old Media, New Media - 3 points  
MURDOCH: S2-internal, S2-external

CMS203 Audiences, Users and Participants - 3 points  
MURDOCH: S2-internal, S2-external

#### General Electives - 9 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

#### Year 3 - 24 credit points

##### Research Skills Unit - 3 credit points

BAR300 Bachelor of Arts Research Skills Unit - 3 points  
Not available this year

##### Breadth Unit University-Wide - 3 credit points

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

#### Core Units - 9 credit points

CMS304 Communicating Global Issues - 3 points  
Not available this year

CMS305 Media Governance and the Public Sphere - 3 points  
Not available this year

CMS306 Critical Topics in Communication and Media Studies - 3 points

Not available this year

#### General Electives - 9 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

## COMMUNICATION AND MEDIA STUDIES (BCOMMUN)

School of Arts

Bachelor of Communication (BCommun) in Communication and Media Studies

Course Codes: B1284 B1284A

Duration: 3 years full-time or part-time equivalent; SGP1: 4 trimesters full-time or part-time equivalent (Part II available only)

#### Availability:

- Murdoch campus (internal) (no new admissions from 2015 at this location for first-year commencing students)
- SMF Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English)
- KDU College (Petaling Jaya, Malaysia) ['KDUPJ'] (internal) (by formal agreement) (language of instruction: English) (not available to new admissions at this location)
- Kaplan Higher Education Institute and Kaplan Higher Education Academy (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced by a Bachelor of Arts)
- Some units only: Murdoch campus (external) (no new admissions from 2015 at this location for first-year commencing students)

This major provides students with skills and expertise for work in contemporary communication, media and cultural industries characterised by rapid change, digitalisation and technological innovation. Students are equipped with the knowledge base and skills for analysing and producing both traditional and new media texts, as well as understanding communication and cultural processes in the emerging creative industries. As the units in this major cover a wide range of critical communication issues, cultural theory and media concepts, students completing this course are well placed to embark on a research career in the industry or enrol for further studies at Honours and/or graduate level.

#### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

#### Employment Prospects:

Graduates can expect to find employment in a wide range of fields, from the creative industries (new media, public relations, advertising, journalism, radio, television, music and print) to management, administration, government, public policy, media research, academia and teaching.

#### Main Research Areas:

Communication Studies, Media Studies, Creative Industries, Communication Policy, Media Audiences, Global Media.

### Course Structure - 72 credit points

#### Part I - 24 credit points

##### Foundation Unit - 3 credit points

From 2014, Foundation units will no longer be offered. Students who have not yet successfully completed a Foundation unit will be required to enrol in the following Transition Unit.

BAR100 Academic Learning Skills - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

### Core Units - 6 credit points

The following unit is no longer available at the Murdoch campus - contact the Academic Chair for advice:  
MCC108 Introduction to Communication and Media - 3 points

OR

CMS101 Introduction to Media Studies - 3 points  
MURDOCH: S2-internal, S2-external

Plus 3 points from either the Media List or the Culture List:

### Media List

SCR100 Introduction to the Screen - 3 points  
MURDOCH: S2-internal, S2-external

### Culture List

CMS102 Contemporary Culture - 3 points  
MURDOCH: S2-internal, S2-external

### General Electives - 15 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

## Part II - 48 credit points

### Core Units - 24 credit points

The following unit is no longer available at the Murdoch campus - contact the Academic Chair for advice:  
MCC236 Media Audiences and the Public - 4 points  
KAPLAN-SGP: TJA-internal, TSA-internal  
SGP1: TJB-internal, TSB-internal

MCC315 New Media Technologies - 4 points  
MURDOCH: S2-internal, S2-external  
KAPLAN-SGP: TMA-internal  
SGP1: TMB-internal

MCC337 Cultural and Media Policy - 4 points  
MURDOCH: S1-internal, S1-external  
KAPLAN-SGP: TJA-internal, TSA-internal  
SGP1: TJB-internal, TSB-internal

MCC314 Media and Globalisation - 4 points  
MURDOCH: S2-internal, S2-external  
KAPLAN-SGP: TJA-internal, TSA-internal  
SGP1: TJB-internal, TSB-internal

Plus 8 points from one of the following lists:

### Communication and Media List

The following unit is no longer available at the Murdoch campus - contact the Academic Chair for advice:  
MCC248 Screen Texts - 4 points  
KAPLAN-SGP: TMA-internal  
SGP1: TMB-internal

OR

The following unit is no longer available at the Murdoch campus - contact the Academic Chair for advice:  
MCC2481 Screen Texts - 4 points

OR

SCR348 Screen Text - 3 points  
Not available this year

The following unit is no longer available at the Murdoch campus -

contact the Academic Chair for advice:  
MCC333 Documentary - 4 points  
KAPLAN-SGP: TMA-internal  
SGP1: TMB-internal

OR

SCR300 Documentary - 3 points  
MURDOCH: S1-internal

### Culture List

The following unit is no longer available - contact the Academic Chair for advice:  
MCC235 Television, Video and Popular Culture - 4 points

MCC386 People and Globalisation - 4 points  
MURDOCH: S2-internal, S2-external

Students with a good academic record can apply to the Academic Chair to take MCC325 Professional Placement - 4 points [MURDOCH: S1-placement, S2-placement, SUM-placement, W-placement] in place of one of the above Core Units.

### General Electives - 24 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

Recommended:

MCC385 Public Relations in Society - 4 points  
KAPLAN-SGP: TMA-internal  
SGP1: TMB-internal

OR

PRO285 Public Relations in Society - 3 points  
MURDOCH: S1-internal, S1-external

MCC284 Food: Media Culture - 4 points  
(no longer available)

IND271 Media, Culture and Politics in Indonesia - 4 points  
MURDOCH: S2-internal, S2-external

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## COMMUNICATION AND MEDIA STUDIES HONOURS (BA(HONS))

School of Arts

*Bachelor of Arts Honours (BA(Hons)) in Communication and Media Studies*

Course Codes: H1256

Duration: 1 year full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop the ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

### Admission Requirements (Onshore):

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Distinction average; subject to availability of a suitable supervisor and approval by the Associate Dean (Learning and Teaching) of the School.

English competence.

**Apply Online:**

Applications can be made online at  
<http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

**Main Research Areas:**

Communication Studies, Media Studies, Cultural Studies, Creative Industries, Communication Policy, Media Audiences, Global Media.

**Course Structure - 24 credit points****Coursework - 12 credit points**

ART604 Advanced Research Methods - 3 points  
 MURDOCH: S1-internal, S1-external

ART503 Honours Seminar in Arts - 3 points  
 MURDOCH: S1-internal

CMS501 Honours Topic in Communication and Media Studies A - 3 points  
 MURDOCH: S1-internal, S2-internal, Y-internal

CMS502 Honours Topic in Communication and Media Studies B - 3 points  
 MURDOCH: S1-internal, S2-internal, Y-internal

**Thesis - 12 credit points**

CMS512 Honours Thesis in Communication and Media Studies - 12 points  
 MURDOCH: S1-internal, S2-internal

**COMMUNITY DEVELOPMENT****COMMUNITY DEVELOPMENT (BA)**

School of Arts

*Bachelor of Arts (BA) in Community Development*

Course Codes: B1316

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

Increasingly non-government, organisations, universities, business and various government instrumentalities are signalling a keenness to see 'community' more involved in their work. As a consequence neighbourhood groups, activists, groups working in overseas settings, schools, local councils, ecologists, Indigenous groups, social services organisations, resource companies, artists, businesses and universities are all talking about community development as a new way of doing things. This major is designed to prepare students to work in various fields and industries where community development is being taken up. It provides students with the chance to combine the study of 'real' and working examples of practice, the social and policy context confronting contemporary communities, intellectual traditions used to understand community work and some of the skills that are important in everyday community-based settings.

In the Bachelor of Arts you will develop a broad understanding of your field and proficiency in producing written and oral arguments and creative artifacts in response to social, human and natural phenomena. You will also develop a critical appreciation of the perspectives of others. As an Arts graduate you will be able to think critically and creatively, apply knowledge and information, and communicate effectively. These are professional skills which are critical across a range of industries. You will also be able to pursue further study in the fields of social research, the humanities and/or the creative arts.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

**Special Requirements:**

Required short work placement or practice project component.

**Employment Prospects:**

Careers in local government, community services, remote area education, indigenous communities, community arts and cultural development, overseas aid work, sustainable development, social work-related areas, economic, social and urban planning.

**Recommended Double Majors:**

Australian Indigenous Studies; Sociology; Sustainable Development; Sustainable Development (OUA)

**Main Research Areas:**

Social change and social equity.

**Credits and Exemptions:**

Students from the TAFE Community Work diploma and from other relevant diplomas may receive credits and exemptions.

**Languages and Writing Skills:**

Community Development students are strongly encouraged to include a writing unit in their selection of a general elective at either Part I or Part II. It is also recommended that students consider studying a language other than English, with Indonesian, Japanese, Biblical Hebrew and New Testament Greek, all available at Murdoch through the Asian Studies or Theology courses.

**Course Structure - 72 credit points****Part I - 24 credit points****Year 1 - 24 credit points****Transition Unit - 3 credit points**

BAR100 Academic Learning Skills - 3 points  
 MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Breadth Unit for Degree - 3 credit points**

BAR150 Ideas and Identity - 3 points  
 MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Core Units - 9 credit points**

COD125 Introduction to Community Development - 3 points  
 MURDOCH: S1-internal, S1-external

SOC134 Introduction to Sociology - 3 points  
 MURDOCH: S1-internal, S1-external

SUS100 Introduction to Sustainable Development - 3 points  
 MURDOCH: S2-internal, S2-external

**General Electives - 9 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Part II - 48 credit points****Year 2 - 24 credit points****Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

**For Primary Major in Social and Developmental Psychology**

BSC201 Psychology: Measurement, Design and Analysis - 3 points

MURDOCH: S1-internal

### **For All Other Primary Majors**

BAR200 Developing Research Skills and Methods - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

### **Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

### **Core Units - 6 credit points**

COD201 Community Work across Sites, Settings and Peoples - 3 points  
MURDOCH: S2-internal, S2-external

COD302 Creative Ways to Work with Community - 3 points  
MURDOCH: S2-internal, S2-external

### **Specified Electives - 3 credit points**

Select from the following:

ALS234 Our Mob: Indigenous Community Engagement - 3 points  
MURDOCH: S1-internal, S1-external

SUS207 Overseas Aid and International Development - 3 points  
MURDOCH: S1-internal, S1-external

### **General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

### **Year 3 - 24 credit points**

#### **Research Skills Unit - 3 credit points**

BAR300 Bachelor of Arts Research Skills Unit - 3 points  
Not available this year

#### **Breadth Unit University-Wide - 3 credit points**

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

#### **Core Units - 9 credit points**

SUS310 Sustainable Urban Communities - 3 points  
Not available this year

COD303 Preparing for Professional Community Practice - 3 points  
Not available this year

COD214 Community and Social Policy - 3 points  
Not available this year

#### **General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

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## **COMMUNITY DEVELOPMENT HONOURS (BA(HONS))**

School of Arts

Bachelor of Arts Honours (BA(Hons)) in Community Development

Course Codes: H1256

Duration: 1 year full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop ability for

independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

#### **Admission Requirements (Onshore):**

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Distinction average; subject to availability of a suitable supervisor and approval by the Associate Dean (Learning and Teaching) of the School.

English competence.

#### **Apply Online:**

Applications can be made online at <http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

### **Course Structure - 24 credit points**

#### **Coursework - 12 credit points**

ART604 Advanced Research Methods - 3 points  
MURDOCH: S1-internal, S1-external

ART503 Honours Seminar in Arts - 3 points  
MURDOCH: S1-internal

COD561 Honours Topic in Community Development A - 3 points  
MURDOCH: S1-internal, S2-internal, Y-internal

COD562 Honours Topic in Community Development B - 3 points  
MURDOCH: S1-internal, S2-internal, Y-internal

#### **Thesis - 12 credit points**

COD569 Honours Thesis in Community Development - 12 points  
MURDOCH: S1-internal, S2-internal, Y-internal

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## **COMPUTER SCIENCE**

### **COMPUTER SCIENCE (BSC)**

School of Engineering and Information Technology

Bachelor of Science (BSc) in Computer Science

Course Codes: B1317

Duration: 3 years full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

The Computer Science major is designed to provide students with a thorough understanding of the theory, methods and systems used by the computing industry. Required units cover the major areas of software development, computer technology, systems applications and software engineering.

Murdoch's Bachelor of Science is a flexible degree which gives you the opportunity to build deep understanding and practical experience as well as to supplement your studies by engaging with industry and the community on relevant problems. You can even undertake studies through another discipline to broaden your understanding of the way in which science operates in relation to social, business, health and policy environments.

#### **Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

#### **Special Requirements:**

There may be a reduction in choice of units if completing this course in the external mode. Individual units may require access to specific nominated software.

**Employment Prospects:**

Excellent career opportunities exist for Computer Science graduates in business, industry and government as programmers, systems analysts, database administrators, software architects, computer systems and network managers, user support officers and software engineers.

**Professional Recognition:**

Eligible for membership of the Australian Computer Society at the Professional Level.

**Recommended Double Majors:**

Games Technology

**Course Structure - 72 credit points****Part I - 24 credit points****Year 1 - 24 credit points****Transition Unit - 3 credit points**

BSC100 Building Blocks for Science Students - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Breadth Unit for Degree - 3 credit points**

BSC150 What is Science? - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Core Units - 15 credit points**

ICT167 Principles of Computer Science - 3 points  
MURDOCH: S2-internal, S2-external

ICT159 Foundations of Programming - 3 points  
MURDOCH: S1-internal, S1-external

ICT169 Foundations of Data Communications - 3 points  
MURDOCH: S2-internal, S2-external

MAS162 Foundations of Discrete Mathematics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

ICT170 Foundations of Computer Systems - 3 points  
MURDOCH: S2-internal, S2-external

**General Electives - 3 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Part II - 48 credit points****Year 2 - 24 credit points****Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

**For Primary Major in Cognitive Neuroscience and Health Psychology**

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
MURDOCH: S1-internal

**For Primary Majors in the Health Sciences, as listed**

Primary Major in Chiropractic Science, Exercise Physiology, Movement Science, or Sport and Health Science:

BSC206 Introduction to Research Methodology and Evidence Based Practice - 3 points  
MURDOCH: S2-internal

**For Primary Majors in Information Technology**

BSC203 Introduction to ICT Research Methods - 3 points  
MURDOCH: S1-internal, S1-external

**For All Other Primary Majors**

BSC200 Research in the Physical and Life Sciences - 3 points  
MURDOCH: S1-internal, S1-external

**Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

**Core Units - 9 credit points**

ICT284 Systems Analysis and Design - 3 points  
MURDOCH: S1-internal, S1-external

ICT283 Data Structures and Abstractions - 3 points  
MURDOCH: S1-internal, S1-external

ICT285 Databases - 3 points  
MURDOCH: S2-internal, S2-external

**General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Year 3 - 24 credit points****Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

**For Primary Majors in Information Technology**

BSC301 Applied Research Skills in ICT - 3 points  
Not available this year

**For All Other Primary Majors**

BSC300 Bachelor of Science Research Skills Unit - 3 points  
Not available this year

**Breadth Unit University-Wide - 3 credit points**

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

**Core Units - 9 credit points**

ICT373 Software Architectures - 3 points  
Not available this year

ICT319 Intelligent Systems - 3 points  
Not available this year

ICT374 Operating Systems and Systems Programming - 3 points  
Not available this year

**General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

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**COMPUTER SCIENCE (BSC)**

School of Engineering and Information Technology

Bachelor of Science (BSc) in Computer Science

Course Codes: B1205 B1205A

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal) (no new admissions from 2015 at this location for first-year commencing students)
- Murdoch campus (external) (no new admissions from 2015 at this location for first-year commencing students)
- Kaplan Higher Education Institute and Kaplan Higher Education



Academy (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced with a new version with the same name)

- Murdoch University International Study Centre (Dubai, UAE) ['DUBAI-ISC'] (internal) (by formal agreement) (language of instruction: English)

The Computer Science major is designed to provide students with a thorough understanding of the theory, methods and systems used by the computing industry. Required units cover the major areas of software development, computer technology, systems applications and software engineering.

#### **Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

#### **Special Requirements:**

There may be a reduction in choice of units if completing this course in the external mode. Individual units may require access to specific nominated software.

#### **Employment Prospects:**

Excellent opportunities in business, industry and government as programmers, systems analysts, database administrators, computer systems and network managers, user support officers and software engineers.

#### **Professional Recognition:**

Eligible for membership of the Australian Computer Society at the Professional Level.

## **Course Structure - 72 credit points**

### **Part I - 24 credit points**

#### **Foundation Unit - 3 credit points**

From 2014, Foundation units will no longer be offered at the Murdoch Campus. Students who have not yet successfully completed a Foundation unit will be required to enrol in the following Transition Unit.

BSC100 Building Blocks for Science Students - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Students enrolled at the Dubai or Kaplan campus will enrol in:

FDN107 Next Life - 3 points  
DUBAI-ISC: TJD-internal, TMD-internal, TSD-internal  
KAPLAN-SGP: TMA-internal, TSA-internal

#### **Core Units - 15 credit points**

ICT102 Introduction to Computer Science - 3 points  
DUBAI-ISC: TJD-internal, TSD-internal

ICT103 Introduction to Data Communications - 3 points  
DUBAI-ISC: TJD-internal, TSD-internal

ICT104 Principles of Computer Science - 3 points  
DUBAI-ISC: TJD-internal, TMD-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

ICT106 Fundamentals of Computer Systems - 3 points  
DUBAI-ISC: TJD-internal, TMD-internal

MAS167 Computational Mathematics - 3 points  
DUBAI-ISC: TJD-internal, TSD-internal

OR

MAS162 Foundations of Discrete Mathematics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

#### **General Electives - 6 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

### **Part II - 48 credit points**

#### **Core Units - 24 credit points**

ICT209 Data Structures and Abstractions - 4 points  
DUBAI-ISC: TJD-internal, TMD-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

ICT218 Databases - 4 points  
DUBAI-ISC: TMD-internal, TSD-internal  
KAPLAN-SGP: TMA-internal, TSA-internal

ICT231 Systems Analysis and Design - 4 points  
DUBAI-ISC: TSD-internal  
KAPLAN-SGP: TJA-internal, TSA-internal

ICT306 Software Architectures - 4 points  
MURDOCH: S1-internal, S1-external  
DUBAI-ISC: TJD-internal, TMD-internal  
KAPLAN-SGP: TMA-internal

ICT310 Operating Systems and Systems Programming - 4 points  
MURDOCH: S2-internal, S2-external  
DUBAI-ISC: TSD-internal  
KAPLAN-SGP: TSA-internal

ICT333 Information Technology Project - 4 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external  
DUBAI-ISC: TJD-internal, TMD-internal, TSD-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

#### **General Electives - 24 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

## **COMPUTER SCIENCE HONOURS (BSC(HONS))**

School of Engineering and Information Technology

*Bachelor of Science Honours (BSc(Hons)) in Computer Science*

Course Codes: H1257

Duration: 1 year full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal)

The aim of Honours is to provide training in research and the development of higher-level skills. The student's grasp of the principles and practice of their subject will be extended and they will develop ability for independent research.

Successful completion of the Honours course is required for admission to research degrees (i.e. Masters or PhD degrees).

#### **Admission Requirements (Onshore):**

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Distinction average; subject to availability of a suitable supervisor and approval by the Associate Dean (Learning and Teaching) of the School.

English competence.

#### **Apply Online:**

Applications can be made online at <http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

**Course Structure - 24 credit points****Coursework - 12 credit points**

ICT615 Information Technology Research Methods - 3 points  
MURDOCH: S1-internal

ICT576 Information Technology Literature Review - 3 points  
MURDOCH: S1-internal, S2-internal

Plus another two 500-level IT units approved by the Academic Chair.

**Thesis - 12 credit points**

ICT510 Honours Thesis in Computer Science - 12 points  
MURDOCH: S1-internal, S2-internal, Y-internal

**CONSERVATION AND WILDLIFE BIOLOGY****See also:**

Biological Sciences

**CONSERVATION AND WILDLIFE BIOLOGY (BSC)**

School of Veterinary and Life Sciences

Bachelor of Science (BSc) in Conservation and Wildlife Biology

Course Codes: B1317

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Some units only: Murdoch campus (external)

Conservation Biology is concerned with the study and protection of biological diversity. It requires a detailed understanding of biology as well as of the social, political and economic context in which conservation policy is developed and implemented. It is therefore an excellent interdisciplinary major embracing aspects of science and the social sciences. The core of the degree is a solid grounding in a range of biological disciplines and their application to the conservation of biota. This is supplemented by required material covering law and policy.

Murdoch's Bachelor of Science is a flexible degree which gives you the opportunity to build deep understanding and practical experience as well as to supplement your studies by engaging with industry and the community on relevant problems. You can even undertake studies through another discipline to broaden your understanding of the way in which science operates in relation to social, business, health and policy environments.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements. There are no prerequisites for admission but it is highly desirable for students to have undertaken TEE Chemistry or WACE Chemistry 3A/3B and at least Mathematics 2C/2D.

English competence.

**Special Requirements:**

Students undertaking units in Conservation Biology will not be required to kill any vertebrate animal but they will be required to work with fresh tissue from dead animals in certain units.

**Employment Prospects:**

Federal, state and local agencies dealing with nature conservation; the interdisciplinary breadth of the course is also well suited to teaching careers.

**Professional Recognition:**

Eligible to seek membership of the Ecological Society of Australia and other relevant professional bodies.

**Recommended Double Majors:**

Animal Health; Biological Sciences; Environmental Management and Sustainability; Environmental Science; Marine Science; Molecular Biology

**Excluded Minors:**

Marine Biology

**Main Research Areas:**

Conservation of endemic Western Australian flora and fauna, impacts of plant disease on the conservation of local communities, sustainable fisheries.

**Major Prerequisites****Chemistry Background**

Students who achieved a final scaled score of 60 percent or more in Chemistry 3A/3B within the past three years should seek an exemption from their Academic Chair for CHE140 Fundamentals of Chemistry. Students who have completed previous chemistry not stated above should also consult their Academic Chair for clarification of their enrolment requirements.

**Course Structure - 72 credit points****Part I - 24 credit points****Year 1 - 24 credit points****Transition Unit - 3 credit points**

BSC100 Building Blocks for Science Students - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Breadth Unit for Degree - 3 credit points**

BSC150 What is Science? - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Core Units - 15 credit points**

BIO103 Introduction to Environmental Biology - 3 points  
MURDOCH: S1-internal, S1-external

CHE140 Fundamentals of Chemistry - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MAS183 Statistical Data Analysis - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

ENV102 Foundations of the Environment - 3 points  
MURDOCH: S2-internal, S2-external

BIO152 Foundations of Cell and Molecular Biology - 3 points  
MURDOCH: S2-internal

**General Electives - 3 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Part II - 48 credit points****Year 2 - 24 credit points****Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

**For Primary Major in Cognitive Neuroscience and Health Psychology**

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
MURDOCH: S1-internal

**For Primary Majors in the Health Sciences, as listed**

Primary Major in Chiropractic Science, Exercise Physiology,

Movement Science, or Sport and Health Science:

BSC206 Introduction to Research Methodology and Evidence Based Practice - 3 points  
MURDOCH: S2-internal

**For Primary Majors in Information Technology**

BSC203 Introduction to ICT Research Methods - 3 points  
MURDOCH: S1-internal, S1-external

**For All Other Primary Majors**

BSC200 Research in the Physical and Life Sciences - 3 points  
MURDOCH: S1-internal, S1-external

**Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

**Core Units - 9 credit points**

BIO257 Biodiversity - 3 points  
MURDOCH: S2-internal

BIO249 Sustainable Management of Fish and Wildlife - 3 points  
MURDOCH: S1-internal

ENV241 Ecology - 3 points  
MURDOCH: S2-internal, S2-external

**General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Year 3 - 24 credit points**

**Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

**For Primary Majors in Information Technology**

BSC301 Applied Research Skills in ICT - 3 points  
Not available this year

**For All Other Primary Majors**

BSC300 Bachelor of Science Research Skills Unit - 3 points  
Not available this year

**Breadth Unit University-Wide - 3 credit points**

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

**Core Units - 9 credit points**

BIO356 Genetics and Evolution - 3 points  
Not available this year

BIO375 Conservation Biology - 3 points  
Not available this year

BIO376 Wildlife Biology - 3 points  
Not available this year

**General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

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## CONSERVATION AND WILDLIFE BIOLOGY HONOURS (BSC(HONS))

School of Veterinary and Life Sciences

Bachelor of Science Honours (BSc(Hons)) in Conservation and Wildlife Biology

Course Codes: H1257

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

The aim of the Honours year is to extend the student's grasp of the principles and practice of their subject, to develop ability for independent research, and to facilitate their entry into industry employment.

An Honours qualification of at least 2A is normally required for admission to higher research degree study.

**Admission Requirements (Onshore):**

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Credit average (GPA 2); subject to availability of a suitable supervisor and approval by the School Dean.

Students interested in enrolling in Honours are advised to contact the Academic Chair before application to discuss supervision of their potential research project.

English competence.

**Apply Online:**

Applications can be made online at <http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

**Course Structure - 24 credit points**

**Coursework - 3 credit points**

VLS683 Advanced Research Methods for Scientists - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Thesis - 21 credit points**

VLS540 Honours Thesis in Conservation and Wildlife Biology - 21 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

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## CRIMINOLOGY

**See also:**

Legal Studies

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### CRIMINOLOGY (BA)

School of Law

Bachelor of Arts (BA) in Criminology

Course Codes: B1316

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

Criminology is the study of crime and criminals. Students gain an understanding of criminal law and how the state responds to crime through the criminal justice system. This involves the study of policing, sentencing and prisons. Students study the causes and prevention of crime from a multidisciplinary approach. Criminology includes the interaction between psychology and law

which covers the psychology of offenders, eyewitness interviewing and testimony, interrogation and false confessions, and offender profiling.

In the Bachelor of Arts you will develop a broad understanding of your field and proficiency in producing written and oral arguments and creative artifacts in response to social, human and natural phenomena. You will also develop a critical appreciation of the perspectives of others. As an Arts graduate you will be able to think critically and creatively, apply knowledge and information, and communicate effectively. These are professional skills which are critical across a range of industries. You will also be able to pursue further study in the fields of social research, the humanities and/or the creative arts.

#### **Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

#### **Employment Prospects:**

Suitable for employment opportunities within the court and prison systems, police services, youth work, community groups and government departments.

#### **Recommended Double Majors:**

Forensic Biology and Toxicology; Legal Studies; Security, Terrorism and Counterterrorism Studies; Security, Terrorism and Counterterrorism Studies (OUA); Social and Developmental Psychology

#### **Recommended Minors:**

Social and Developmental Psychology

## **Course Structure - 72 credit points**

### **Part I - 24 credit points**

#### **Year 1 - 24 credit points**

##### **Transition Unit - 3 credit points**

BAR100 Academic Learning Skills - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### **Breadth Unit for Degree - 3 credit points**

BAR150 Ideas and Identity - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### **Core Units - 9 credit points**

LEG100 Law, Justice and Social Policy - 3 points  
MURDOCH: S2-internal

LEG120 Legal Research - 3 points  
MURDOCH: S1-internal

CRM100 Introduction to Criminology - 3 points  
MURDOCH: S1-internal

##### **General Electives - 9 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

Recommended for Legal Studies students:

BJU150 Law in Context  
MURDOCH: S1-internal

### **Part II - 48 credit points**

#### **Year 2 - 24 credit points**

##### **Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's

Primary Major. Select from the following.

#### **For Primary Major in Social and Developmental Psychology**

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
MURDOCH: S1-internal

#### **For All Other Primary Majors**

BAR200 Developing Research Skills and Methods - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

#### **Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

#### **Core Units - 6 credit points**

CRM203 Criminal Behaviour - 3 points  
MURDOCH: S1-internal

CRM201 Policing and Crime Prevention - 3 points  
MURDOCH: S1-internal

#### **Specified Electives - 3 credit points**

Select one 200-level unit from the Specified Elective Unit List below.

#### **General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

#### **Year 3 - 24 credit points**

##### **Research Skills Unit - 3 credit points**

BAR300 Bachelor of Arts Research Skills Unit - 3 points  
Not available this year

##### **Breadth Unit University-Wide - 3 credit points**

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

##### **Core Unit - 3 credit points**

CRM306 Advanced Criminology - 3 points  
Not available this year

##### **Specified Electives - 6 credit points**

Select two 300-level units from the Specified Elective Unit List below.

##### **General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

##### **Specified Elective Unit List**

Select Specified Electives from the following units during Years 2 and 3, subject to individual unit prerequisites. At least one unit must be at 200 level and at least two units must be at 300 level.

CRM219 Transnational Crime - 3 points  
MURDOCH: S2-internal

CRM284 Victimology and Restorative Justice - 3 points  
MURDOCH: S2G-internal

CRM388 Rehabilitation and Penology - 3 points  
Not available this year

CRM389 Psychology and Law - 3 points  
Not available this year

CRM302 Children and Crime - 3 points  
Not available this year

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## CRIMINOLOGY HONOURS (BA(HONS))

School of Law

*Bachelor of Arts Honours (BA(Hons)) in Criminology*

Course Codes: H1256

Duration: 1 year full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop the ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

### Admission Requirements (Onshore):

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Distinction average; subject to availability of a suitable supervisor and approval by the Dean of the School.

Students interested in Honours enrolment are advised to contact the Law School Office before application to discuss supervision of their potential research.

English competence.

### Apply Online:

Applications can be made online at  
<http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

## Course Structure - 24 credit points

### Coursework - 9 credit points

#### Core Units - 9 credit points

CRM540 Criminology Honours Seminar - 3 points  
MURDOCH: S1-internal, S2-internal, Y-internal

CRM531 Honours Placement in Criminology - 3 points  
MURDOCH: S1-internal, S2-internal, Y-internal

CRM530 Advanced Socio-legal Research Methods - 3 points  
MURDOCH: S1-internal, Y-internal

### Thesis - 15 credit points

CRM539 Honours Thesis in Criminology - 15 points  
MURDOCH: S1-internal, S2-internal

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## CYBER FORENSICS AND INFORMATION SECURITY

### CYBER FORENSICS, INFORMATION SECURITY AND MANAGEMENT (BSC)

School of Engineering and Information Technology

*Bachelor of Science (BSc) in Cyber Forensics, Information Security and Management*

Course Codes: B1205 B1205A

Duration: 3 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal) (no new admissions from 2015 at this location for first-year commencing students)

- Murdoch campus (external) (no new admissions from 2015 at this location for first-year commencing students)
- SMF Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced by a Bachelor of Science in Cyber Forensics and Information Security)
- Kaplan Higher Education Institute and Kaplan Higher Education Academy (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced by a Bachelor of Science in Cyber Forensics and Information Security)

Increasingly, government and corporate organisations need to identify information security risks and interdependencies between business functions. Escalating security threats to organisations' information assets and increasing needs for organisations to comply with governance of information management have resulted in organisations requiring well-trained ICT professionals capable of addressing three key issues: managing information; protecting information; and forensic investigation of information security incidents. Graduates of this major will be well suited to meet these important industry demands.

### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

### Employment Prospects:

Graduates may expect to take up appointment in a broad range of employment areas, including: Computer Information Consultant; Computer Intelligence Officer; Computer Support Officer; Cyber Forensic Investigator; Database Developer/Administrator; Forensic Auditor; Help Desk Officer; Internet Security Officer; IT Consultant; Systems Administrator; Systems/Business Analyst.

### Recommended Double Majors:

Computer Science

## Course Structure - 72 credit points

### Part I - 24 credit points

#### Foundation Unit - 3 credit points

From 2014, Foundation units will no longer be offered. Students who have not yet successfully completed a Foundation unit will be required to enrol in the following Transition Unit.

BSC100 Building Blocks for Science Students - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

#### Core Units - 6 credit points

ICT103 Introduction to Data Communications - 3 points

ICT107 Principles of Information Systems - 3 points

#### Specified Electives - 3 credit points

Select from the following:

ICT101 Introduction to 3D Graphics and Animation - 3 points  
Not available this year

ICT102 Introduction to Computer Science - 3 points

ICT105 Introduction to Information Technology - 3 points  
MURDOCH: S1-internal, S1-external

ICT108 Introduction to Internet and Mobile Technologies - 3 points

BSL165 Foundations of Business Law - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

#### General Electives - 12 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider

using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

## Part II - 48 credit points

### Core Units - 24 credit points

ICT218 Databases - 4 points  
KAPLAN-SGP: TMA-internal, TSA-internal  
SGP1: TSB-internal

ICT231 Systems Analysis and Design - 4 points  
KAPLAN-SGP: TJA-internal, TSA-internal  
SGP1: TJB-internal, TSB-internal

ICT333 Information Technology Project - 4 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal  
SGP1: TJB-internal, TMB-internal, TSB-internal

ICT248 Cyber Forensics - 4 points  
KAPLAN-SGP: TJA-internal, TMA-internal  
SGP1: TMB-internal

ICT349 Forensic Data Analysis - 4 points  
MURDOCH: S1-internal, S1-external  
KAPLAN-SGP: TJA-internal, TMA-internal  
SGP1: TJB-internal, TMB-internal

ICT357 Information Security Management - 4 points  
MURDOCH: S2-internal, S2-external  
KAPLAN-SGP: TJA-internal, TSA-internal  
SGP1: TJB-internal, TSB-internal

### Specified Electives - 4 credit points

Select from the following:

ICT256 Knowledge Management Techniques - 4 points  
KAPLAN-SGP: TJA-internal  
SGP1: TJB-internal

OR

ICT265 Knowledge and Information Security - 4 points  
KAPLAN-SGP: TJA-internal

### General Electives - 20 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

## CYBER FORENSICS AND INFORMATION SECURITY (BSC)

School of Engineering and Information Technology

Bachelor of Science (BSc) in Cyber Forensics and Information Security

Course Codes: B1317

Duration: 3 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

Increasingly, government and corporate organisations need to identify information security risks and interdependencies between business functions. Escalating security threats to organisations' information assets and increasing needs for organisations to comply with governance of information management have resulted in organisations requiring well-trained ICT professionals capable of addressing three key issues: managing information; protecting information; and forensic investigation of information security incidents. Graduates of this major will be well suited to meet these

important industry demands.

Murdoch's Bachelor of Science is a flexible degree which gives you the opportunity to build deep understanding and practical experience as well as to supplement your studies by engaging with industry and the community on relevant problems. You can even undertake studies through another discipline to broaden your understanding of the way in which science operates in relation to social, business, health and policy environments.

### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

### Employment Prospects:

Graduates may expect to take up appointment in a broad range of employment areas, including: Computer Information Consultant; Computer Intelligence Officer; Computer Support Officer; Cyber Forensic Investigator; Database Developer/Administrator; Forensic Auditor; Help Desk Officer; Internet Security Officer; IT Consultant; Systems Administrator; Systems/Business Analyst.

### Recommended Double Majors:

Computer Science; Internetworking and Network Security

### Excluded Minors:

Computer Forensics and Computer Security; Computer Forensics and Information Security Policy

## Course Structure - 72 credit points

### Part I - 24 credit points

#### Year 1 - 24 credit points

##### Transition Unit - 3 credit points

BSC100 Building Blocks for Science Students - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### Breadth Unit for Degree - 3 credit points

BSC150 What is Science? - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### Core Units - 15 credit points

ICT171 Introduction to Server Environments and Architectures - 3 points  
MURDOCH: S1-internal, S1-external

ICT159 Foundations of Programming - 3 points  
MURDOCH: S1-internal, S1-external

ICT169 Foundations of Data Communications - 3 points  
MURDOCH: S2-internal, S2-external

MAS162 Foundations of Discrete Mathematics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

ICT170 Foundations of Computer Systems - 3 points  
MURDOCH: S2-internal, S2-external

##### General Electives - 3 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

### Part II - 48 credit points

#### Year 2 - 24 credit points

##### Research Skills Unit - 3 credit points

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

##### For Primary Major in Cognitive Neuroscience and Health

**Psychology**

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
MURDOCH: S1-internal

**For Primary Majors in the Health Sciences, as listed**

Primary Major in Chiropractic Science, Exercise Physiology, Movement Science, or Sport and Health Science:

BSC206 Introduction to Research Methodology and Evidence Based Practice - 3 points  
MURDOCH: S2-internal

**For Primary Majors in Information Technology**

BSC203 Introduction to ICT Research Methods - 3 points  
MURDOCH: S1-internal, S1-external

**For All Other Primary Majors**

BSC200 Research in the Physical and Life Sciences - 3 points  
MURDOCH: S1-internal, S1-external

**Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

**Core Units - 9 credit points**

ICT284 Systems Analysis and Design - 3 points  
MURDOCH: S1-internal, S1-external

ICT287 Computer Security - 3 points  
MURDOCH: S1-internal, S1-external

ICT285 Databases - 3 points  
MURDOCH: S2-internal, S2-external

**General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Year 3 - 24 credit points****Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

**For Primary Majors in Information Technology**

BSC301 Applied Research Skills in ICT - 3 points  
Not available this year

**For All Other Primary Majors**

BSC300 Bachelor of Science Research Skills Unit - 3 points  
Not available this year

**Breadth Unit University-Wide - 3 credit points**

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

**Core Units - 9 credit points**

ICT378 Cyber Forensics and Information Technology - 3 points  
Not available this year

ICT379 Security Architectures and Systems Administration - 3 points  
Not available this year

ICT380 Information Security Policy and Governance - 3 points  
Not available this year

**General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of

a second major or minor. Any recommended double majors and minors will be included in the major's description.

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**CYBER FORENSICS AND INFORMATION SECURITY HONOURS (BSC(HONS))**

School of Engineering and Information Technology

*Bachelor of Science Honours (BSc(Hons)) in Cyber Forensics and Information Security*

Course Codes: H1257

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

The aim of Honours is to provide training in research and the development of higher-level skills. The student's grasp of the principles and practice of their subject will be extended and they will develop ability for independent research.

Successful completion of the Honours course is required for admission to research degrees (i.e. Masters or PhD degrees).

**Admission Requirements (Onshore):**

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Distinction average; subject to availability of a suitable supervisor and approval by the Associate Dean (Learning and Teaching) of the School.

English competence.

**Apply Online:**

Applications can be made online at <http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

**Course Structure - 24 credit points****Coursework - 12 credit points**

ICT615 Information Technology Research Methods - 3 points  
MURDOCH: S1-internal

ICT576 Information Technology Literature Review - 3 points  
MURDOCH: S1-internal, S2-internal

Plus another two 500-level IT units approved by the Academic Chair.

**Thesis - 12 credit points**

ICT530 Honours Thesis in Cyber Forensics, Information Security and Management - 12 points  
Not available this year

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**EARLY CHILDHOOD EDUCATION****See also:**

Education

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**EARLY CHILDHOOD 0-8 (BED)**

School of Education

*Bachelor of Education (BEd) in Early Childhood 0-8*

Course Codes: B1322

Duration: 3 years full-time or part-time equivalent (following successful completion of a Diploma of Children's Services (Early Childhood Education and Care) and associated work experience)

**Availability:**

- Murdoch campus (internal) (not available to new admissions in 2015)
- Murdoch campus (external) (not available to new admissions in

2015)

- This course is not available to International students studying in Australia.

This course is designed for students wishing to have the flexibility of working in childcare as Directors or in the lower primary years of schooling (K-3). An articulation enables students who have successfully completed a Diploma of Children's Services (Early Childhood Education and Care) to be awarded 24 points of credit towards their degree.

#### **Admission Requirements (Onshore):**

Admission is restricted to applicants who have successfully completed a Diploma of Children's Services (Early Childhood Education and Care) from either Challenger Institute of Technology, Central Institute of Technology or Polytechnic West, or equivalent qualifications in consultation with the Academic Chair. This articulation enables students who have successfully completed this diploma to be awarded advanced standing towards their degree.

Students demonstrating English competence via IELTS need an overall score of 7.0 with no individual band less than 7.0

#### **Employment Prospects:**

Childcare, Family Day Care, Children's Services, Playgroups, Kindergarten - Year 3 teacher.

#### **Professional Recognition:**

Students satisfactorily completing this course will be eligible to apply for registration as qualified early childhood teachers and childcare centre directors.

#### **Main Research Areas:**

Education, teaching

### **Course Structure - 96 credit points**

#### **Advanced Standing - 24 credit points**

Students are granted 24 points of advanced standing due to successful completion of the Diploma in Children's Services (Early Childhood Education and Care). This constitutes the first year of study of this four-year degree.

#### **Part I - 15 credit points**

##### **Year 1 - 15 credit points**

##### **Core Units - 15 credit points**

EDN1121 Understanding Teachers' Work - 3 points  
(no longer available)

OR

BED150 Understanding Teachers' Work - 3 points  
MURDOCH: S2-internal, S2-external

EDN111 Language for Learning and Teaching - 3 points  
MURDOCH: S1-internal, S1-external

EDN113 Living and Learning with Technology - 3 points  
MURDOCH: S1-internal, S1-external

EDN110 Mathematics for Teaching - 3 points  
MURDOCH: S1-internal, S1-external

EDN115 Thinking Scientifically - 3 points  
MURDOCH: S2-internal, S2-external

#### **Part II - 57 credit points**

##### **Year 1 - 9 credit points**

##### **Core Units - 9 credit points**

EDN221 Learning and Teaching - 3 points  
MURDOCH: S1-internal, S1-external

EDN2251 Teaching The Arts in Primary Schools - 3 points

(no longer available)

OR

EDN236 Teaching The Arts in Primary Schools - 3 points  
MURDOCH: S2-internal, S2-external

EDN2261 Teaching Health and Physical Education in Primary Schools - 3 points  
(no longer available)

OR

EDN248 Teaching Health and Physical Education in Primary Schools - 3 points  
MURDOCH: S2-internal, S2-external

#### **Year 2 - 24 credit points**

##### **Research Skills Unit - 3 credit points**

BED200 Assessment and Action Research - 3 points  
MURDOCH: S2-internal, S2-external

##### **Core Units - 21 credit points**

EDN461 Language and Literacies in the Early Years - 3 points  
MURDOCH: S1-internal, S1-external

EDN353 Country, Cultures, Peoples: Aboriginal and Torres Strait Islander Perspectives Across the Curriculum - 3 points  
MURDOCH: S1-internal, S1-external

EDN355 Principles and Practices in Early Childhood Education - 3 points  
MURDOCH: S1-internal, S1-external

EDN462 Mathematics and Numeracy in the Early Years - 3 points  
MURDOCH: S1-internal, S1-external

EDN332 Children, Families and Communities - 3 points  
MURDOCH: S2-internal, S2-external

EDN354 Integrated Early Childhood Curriculum - 3 points  
MURDOCH: S2-internal, S2-external

EDN310 Professional Experience: Integrated Curriculum in Practice - 3 points  
MURDOCH: ST3-placement

#### **Year 3 - 24 credit points**

##### **Research Skills Unit - 3 credit points**

EDN459 Action Learning for Reflective Practitioners - 3 points  
Not available this year

##### **Core Units - 21 credit points**

EDN441 Teaching Humanities and Social Sciences in Primary Years - 3 points  
Not available this year

EDN4100 Professional Experience: Programming Across the Curriculum - 3 points  
Not available this year

EDN442 Teaching Science in Primary Schools - 3 points  
Not available this year

EDN449 Inclusive Education - 3 points  
Not available this year

EDN434 Professional Internship: Preliminary Early Childhood Teaching (K - PP) - 3 points  
Not available this year

EDN435 Professional Internship: Early Childhood Teaching (K - PP) - 6 points  
Not available this year



## ECONOMICS

### ECONOMICS (BBUS)

School of Management and Governance

Bachelor of Business (BBus) in Economics

Course Codes: B1318

Duration: 3 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

The major in Economics emphasises the applications of economic analysis to real world situations. Students are given a grounding in fundamental economic analysis and are then able to choose from a wide range of economics elective units to suit their interests and their career intentions. Economics can be accommodated as a double major within other Bachelor degree programs. A fourth year of study is available in the form of an honours year.

A Bachelor of Business provides a broad understanding of individual, organisational and societal issues. You will have the practical skills to identify business opportunities, analyse problems and implement solutions and you will be able to demonstrate a knowledge of business principles across key functional areas. You will have depth of knowledge in one or more business disciplines: accounting, banking, business law, economics, finance, hospitality and tourism management, human resources management, international business, management, and marketing.

#### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

#### Employment Prospects:

The financial sector, Federal and State Public Service, major resource-based corporations, education and the health sector.

#### Professional Recognition:

Graduates are eligible for Associate Professional membership of the Economics Society of Australia.

#### Recommended Double Majors:

Accounting; Banking; Finance; Management; Politics and International Studies

#### Main Research Areas:

Economic Growth; Human Capital Accumulation; Labour Markets; Maritime Studies; Social Policy; Asian Economies; Ecological and Climate Change Economics; Behavioural and Experimental Economics; Decision Theory; Sustainable Economic Development; Chinese Economy and Trade; Econometrics; Regional Economics; Environmental and Resource Economics.

### Course Structure - 72 credit points

#### Part I - 24 credit points

##### Year 1 - 24 credit points

##### Transition Unit - 3 credit points

BBS100 Academic Skills for Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### Breadth Unit for Degree - 3 credit points

BBS150 Transforming Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### Core Units - 12 credit points

BUS130 Foundational Mathematics for Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

BUS176 Foundations of Management and Governance - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

BUS171 Foundations of Economics - 3 points  
MURDOCH: S1-external, S2-internal, S2-external

BUS162 Economics in Society - 3 points  
MURDOCH: S2-internal, S2-external

#### General Electives - 6 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

### Part II - 48 credit points

#### Year 2 - 24 credit points

##### Research Skills Unit - 3 credit points

BBS200 Business Research: An Integrated Approach - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### Breadth Unit University-Wide - 3 credit points

Select one 200-level University Breadth Unit.

##### Core Units - 9 credit points

BUS289 Macroeconomics A - 3 points  
MURDOCH: S1-internal, S1-external

BUS291 Microeconomics A - 3 points  
MURDOCH: S1-internal, S1-external

BUS292 Econometrics - 3 points  
MURDOCH: S2-internal, S2-external

#### General Electives - 9 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

#### Year 3 - 24 credit points

##### Research Skills Unit - 3 credit points

BBS300 Empirical Research Methods for Business - 3 points  
Not available this year

OR

BBS301 Business Research: Integrated and Mixed Methods - 3 points  
Not available this year

##### Breadth Unit University-Wide - 3 credit points

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

##### Core Units - 9 credit points

BUS318 Microeconomics B - 3 points  
Not available this year

BUS327 Macroeconomics B - 3 points  
Not available this year

BUS309 International Trade and Development - 3 points  
Not available this year

#### General Electives - 9 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

## ECONOMICS (BECON)

School of Management and Governance

Bachelor of Economics (BEcon)

Course Codes: B1007

Duration: 3 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal) (no new admissions from 2015 at this location for first-year commencing students)
- Murdoch campus (external) (no new admissions from 2015 at this location for first-year commencing students)
- Kaplan Higher Education Institute and Kaplan Higher Education Academy (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced by a Bachelor of Business)

The Bachelor of Economics emphasises the applications of economic analysis to real world situations. Students are given a grounding in fundamental economic analysis and are then able to choose from a wide range of economics elective units to suit their interests and their career intentions. The Economics program can be accommodated as a double major within other Bachelor degree programs. A fourth year of study is available in the form of an honours year.

### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

### Special Requirements:

There may be a reduction in choice of units if completing this course in the external mode.

### Employment Prospects:

The financial sector, Federal and State Public Service, major resource-based corporations, education and the health sector.

### Professional Recognition:

Graduates are eligible for Associate Professional membership of the Economics Society of Australia.

### Main Research Areas:

Economic Growth; Human Capital Accumulation; Labour Markets; Maritime Studies; Social Policy; Asian Economies; Ecological and Climate Change Economics; Behavioural and Experimental Economics; Decision Theory; Sustainable Economic Development; Chinese Economy and Trade; Econometrics; Regional Economics; Environmental and Resource Economics.

## Course Structure - 72 credit points

### Part I - 24 credit points

#### Foundation Unit - 3 credit points

From 2014, Foundation units will no longer be offered. Students who have not yet successfully completed a Foundation unit will be required to enrol in the following Transition Unit.

BBS100 Academic Skills for Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

#### Core Units - 9 credit points

BUS171 Foundations of Economics - 3 points  
MURDOCH: S1-external, S2-internal, S2-external

OR

BUS161 Introduction to Economics - 3 points

BUS162 Economics in Society - 3 points

MURDOCH: S2-internal, S2-external

MAS180 Introduction to Statistics - 3 points  
MURDOCH: S1-external, S2-external

### Specified Electives - 3 credit points

Select from the following:

BUS170 Foundations of Accounting - 3 points  
MURDOCH: S2-internal, S2-external

OR

BUS160 Introduction to Accounting - 3 points

BUS145 Principles of Management - 3 points

OR

BUS176 Foundations of Management and Governance - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

BUS183 Foundations of Marketing - 3 points  
MURDOCH: S2-internal, S2-external

OR

BUS169 Principles of Marketing - 3 points

BUS140 Principles of Finance and Banking - 3 points

OR

BUS130 Foundational Mathematics for Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

### General Electives - 9 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

## Part II - 48 credit points

### Core Units - 16 credit points

BUS260 Macroeconomics A - 4 points  
KAPLAN-SGP: TMA-internal  
(no longer available at Murdoch campus: contact the Academic Chair for advice)

BUS261 Microeconomics A - 4 points  
KAPLAN-SGP: TMA-internal  
(no longer available at Murdoch campus: contact the Academic Chair for advice)

BUS361 Microeconomics B - 4 points  
MURDOCH: S2-internal, S2-external  
KAPLAN-SGP: TMA-internal

BUS360 Macroeconomics B - 4 points  
MURDOCH: S2-internal, S2-external  
KAPLAN-SGP: TMA-internal

### Specified Electives - 8 credit points

Select from the following units. Students intending to take Honours should include BUS294 Econometrics or BUS292 Econometrics in their selection.

BUS272 Changing Economies of Asia - 4 points  
MURDOCH: S1-internal, S1-external  
KAPLAN-SGP: TMA-internal

BUS375 Human Resource Economics - 4 points  
MURDOCH: S2-internal, S2-external  
KAPLAN-SGP: TJA-internal, TSA-internal

BUS290 International Financial Markets and Institutions - 4 points  
MURDOCH: S1-internal, S1-external

KAPLAN-SGP: TJA-internal, TSA-internal

BUS294 Econometrics - 4 points  
(no longer available)

OR

BUS292 Econometrics - 3 points  
MURDOCH: S2-internal, S2-external

The following unit is no longer available - contact the Academic Chair for advice:

BUS208 Quantitative Methods for Business and Economics - 4 points

The following unit is no longer available - contact the Academic Chair for advice:

BUS234 Chinese Economy - 4 points

The following unit is no longer available - contact the Academic Chair for advice:

BUS250 Economics of Climate Change - 4 points

### General Electives - 24 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

Recommended for General Elective points only:

BUS267 Work-Based Learning - 3 points  
MURDOCH: S1-internal (quota of 50 places)  
This unit is recommended for final year students.

BUS352 International Study Tour - 4 points  
Not available this year

Students must have completed their Part I units.

## ECONOMICS HONOURS (BBUS(HONS))

School of Management and Governance

*Bachelor of Business Honours (BBus(Hons)) in Economics*

Course Codes: H1255

Duration: 1 year full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop the ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

### Admission Requirements (Onshore):

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Distinction average in units relating to the planned Honours study and a Distinction average overall. Subject to availability of a suitable supervisor and approval by the Dean of School.

English competence.

### Apply Online:

Applications can be made online at  
<http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

### Course Structure - 24 credit points

#### Coursework - 12 credit points

### Core Units - 9 credit points

MBS545 Advanced Economic Analysis: Honours - 3 points  
MURDOCH: S2-internal

MBS597 Contemporary Advances in Economics: Theory and Applications - Honours - 3 points  
MURDOCH: S1-internal

MBS500 Advanced Honours Topic in Economics - 3 points  
MURDOCH: S1-internal

### Elective Unit - 3 credit points

Any 500 level unit - 3 points

### Thesis - 12 credit points

MBS505 Honours Thesis in Economics - 12 points  
MURDOCH: S1-internal, S2-internal, Y-internal

## EDUCATION

### See also:

Early Childhood Education  
Tertiary and Adult Education

### EARLY CHILDHOOD AND PRIMARY TEACHING (BED)

School of Education

*Bachelor of Education (BEd) in Early Childhood and Primary Teaching*

Course Codes: B1319

Duration: 4 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)
- Murdoch campus (external) (except for one school experience, and a one week intensive for EDN248)

The Bachelor of Education (Early Childhood and Primary Teaching) will prepare graduates to teach in a classroom from Kindergarten to Year 7. Students will study general primary curriculum as well as that specific to early childhood education and will be placed in both early childhood and primary classrooms for their Professional Experiences.

Professional Experience: There are 90 days of mentored teaching practice in this course.

The Bachelor of Education enables students to develop the knowledge, skills and capabilities to become a teacher. Students are supported in becoming effective educators with a strong grounding in learning, teaching and curriculum. Professional Experience is a key component of the degree, providing students with opportunities to engage with schools and the broader community and to apply their knowledge and skills in a range of school settings. Murdoch Education graduates develop the understanding and capacity to be a teacher as researcher, an agent for change and a socially just practitioner. The degree provides a foundation for lifelong learning through continued professional development and/or further study.

### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

Students demonstrating English competence via IELTS need an overall score of 7.0 with no individual band less than 7.0

### Special Requirements:

The WA Department of Education and cooperating non-government schools have the right to determine 'fit and proper persons' to enter and practice in schools. This means all students must obtain two current mandatory checks.

The first is a current Department of Education National Police History Check and the second a current WA Working with Children Check. Under the Working with Children (Criminal Record Checking) Act 2004 compulsory criminal record checks are required for people working with children.

Refer to the School of Education Professional Experience web site for details:  
<http://www.murdoch.edu.au/School-of-Education/Professional-Experience/Checks-and-clearances/>

The form for the first check is also available from the WA Department of Education website. Federal and State police clearances obtained through police stations are not acceptable. Students should refer to the Study at Murdoch section of this Handbook for further details on this important matter.

It is important to understand that these two checks are mandatory and students are not permitted to enter schools without obtaining them.

For students with English as a second language the Teachers Registration Board of Western Australian requires an IELTS of 8 across all areas on graduation.

#### **Employment Prospects:**

Murdoch graduates are employed in government and non-government schools and other education-related occupations.

#### **Professional Recognition:**

On completion of the Bachelor of Education, students have a widely accepted qualification from a recognised university and are eligible for graduate studies or employment in government and independent schools.

#### **Excluded Majors:**

Primary, 1-10 Health and Physical Education

#### **Main Research Areas:**

Education, teaching

#### **Exemptions/Credit and School Experience:**

Students seeking exemptions must be able to provide documentary evidence in support of their application.

Students who have had at least two years of full-time recent, relevant and satisfactory teaching experience in an Australian school context may seek partial exemption from the School Experience unit/s. Whilst Murdoch recognises that some students may have prior and/or current teaching experience, it requires that a student's classroom competence be assessed before exemptions from School Experience can be given.

Students who have been employed as a teacher and have had at least one year of full-time equivalent recent, relevant and satisfactory teaching experience in an Australian school context may seek exemption from BED150 Understanding Teachers' Work.

Students cannot receive exemption from the Professional Experience component of EDN4303 Professional Internship: Early Childhood Teaching (K-PP) but those who are currently employed in relevant teaching positions may seek permission to complete one Professional Experience in their school. Students must contact the Murdoch University School of Education Professional Experience Office.

If seeking uncredentialed credit students must submit a case in writing, with supporting documentary evidence to explain how the outcomes of units have already been achieved through prior experience. All applications for exemption and credit must be directed to the Accreditation Officer.

#### **External Study:**

Not all required units in this degree are offered completely

externally. Some are offered as intensive sessions on-campus or in Perth metropolitan schools.

a) External students must undertake the first School Experience unit, EDN2104 Professional Experience: English in Practice in a Perth metropolitan school and under the guidance of a Murdoch University Supervisor. Subject to satisfactory completion of this unit, students may arrange, in consultation with the Murdoch University School of Education Professional Experience Office, to complete their subsequent school experiences other than in metropolitan Perth. Note: BED150 is not included as a first School Experience unit for this purpose.

b) For students enrolled in Early Childhood and Primary Teaching, on-campus attendance is required for a one-week intensive workshop during winter term (date to be announced) for EDN248 Teaching Health and Physical Education in Primary Schools and EDN236 Teaching the Arts in Primary Schools.

#### **Alternative Entry Pathway:**

An alternative entry pathway exists via the Primary Teaching Combination from Challenger Institute of Technology to the Bachelor of Education (Early Childhood and Primary Teaching). This pathway provides applicants with advanced standing once they enter the University.

### **Major Prerequisites**

#### **Mathematics Background**

Students who have not completed Stage 2 or above of Year 12 Mathematics may need to complete:

EDN110 Mathematics for Teaching - 3 points  
 MURDOCH: S1-internal, S1-external

### **Course Structure - 96 credit points**

#### **Part I - 24 credit points**

##### **Year 1 - 24 credit points**

##### **Transition Unit - 3 credit points**

BED100 Ideas in Education - 3 points  
 MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### **Breadth Unit for Degree - 3 credit points**

BED150 Understanding Teachers' Work - 3 points  
 MURDOCH: S2-internal, S2-external

##### **Core Units - 12 credit points**

EDN111 Language for Learning and Teaching - 3 points  
 MURDOCH: S1-internal, S1-external

EDN113 Living and Learning with Technology - 3 points  
 MURDOCH: S1-internal, S1-external

EDN114 Thinking Mathematically - 3 points  
 MURDOCH: S2-internal, S2-external

EDN115 Thinking Scientifically - 3 points  
 MURDOCH: S2-internal, S2-external

##### **General Electives - 6 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

#### **Part II - 72 credit points**

##### **Year 2 - 24 credit points**

##### **Research Skills Unit - 3 credit points**

BED200 Assessment and Action Research - 3 points  
 MURDOCH: S2-internal, S2-external

##### **Core Units - 21 credit points**

Part-time and external students should contact the School of

Education when creating their study plan, particularly as it is necessary for concurrent enrolment in the School Experience and Early Childhood and Primary Curriculum units. A sample full-time study plan is available on the Course Planning Page and on the School of Education web site.

Students should be enrolled in or have completed EDN235 Teaching English and Literacy in Primary Schools and EDN236 Teaching The Arts in Primary Schools or EDN248 Teaching Health and Physical Education in Primary Schools before enrolling in EDN2104 Professional Experience: English in Practice.

EDN221 Learning and Teaching - 3 points  
MURDOCH: S1-internal, S1-external

EDN235 Teaching English and Literacy in Primary Schools - 3 points  
MURDOCH: S1-internal, S1-external

EDN355 Principles and Practices in Early Childhood Education - 3 points  
MURDOCH: S1-internal, S1-external

EDN236 Teaching The Arts in Primary Schools - 3 points  
MURDOCH: S2-internal, S2-external

EDN461 Language and Literacies in the Early Years - 3 points  
MURDOCH: S1-internal, S1-external

EDN248 Teaching Health and Physical Education in Primary Schools - 3 points  
MURDOCH: S2-internal, S2-external

EDN2104 Professional Experience: English in Practice - 3 points  
MURDOCH: S2-placement

### Year 3 - 24 credit points

#### Research Skills Unit - 3 credit points

BED300 Schooling and Society - Research Skills - 3 points  
Not available this year

#### Breadth Unit University-Wide - 3 credit points

Select one 200-level University Breadth Unit.

#### Core Units - 18 credit points

EDN351 Teaching Mathematics in Primary Schools - 3 points  
Not available this year

EDN353 Country, Cultures, Peoples: Aboriginal and Torres Strait Islander Perspectives Across the Curriculum - 3 points  
MURDOCH: S1-internal, S1-external

EDN462 Mathematics and Numeracy in the Early Years - 3 points  
MURDOCH: S1-internal, S1-external

EDN332 Children, Families and Communities - 3 points  
MURDOCH: S2-internal, S2-external

EDN354 Integrated Early Childhood Curriculum - 3 points  
MURDOCH: S2-internal, S2-external

EDN3102 Professional Experience: Mathematics in Practice - 3 points  
Not available this year

Students must have successfully completed EDN2104 Professional Experience: English in Practice before enrolment in EDN3102 Professional Experience: Mathematics in Practice.

### Year 4 - 24 credit points

#### Core Units - 24 credit points

##### Semester 1

EDN441 Teaching Humanities and Social Sciences in Primary Years - 3 points  
Not available this year

EDN432 Early Childhood Learning Environments - 3 points

Not available this year

EDN442 Teaching Science in Primary Schools - 3 points  
Not available this year

EDN4100 Professional Experience: Programming Across the Curriculum - 3 points  
Not available this year

##### Semester 2

Students must have completed 86 credit points and all Core Units (excluding the units below) prior to enrolling in the final semester of study.

EDN449 Inclusive Education - 3 points  
Not available this year

EDN434 Professional Internship: Preliminary Early Childhood Teaching (K - PP) - 3 points  
Not available this year

EDN435 Professional Internship: Early Childhood Teaching (K - PP) - 6 points  
Not available this year

## PRIMARY, 1-10 HEALTH AND PHYSICAL EDUCATION (BED)

School of Education

Bachelor of Education (BE) in Primary, 1-10 Health and Physical Education

Course Codes: B1319

Duration: 4 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Some units only: Murdoch campus (external)

This course will prepare graduates to teach in a classroom from Years 1 to 7. In addition the graduates will specialise in Health and Physical Education (HPE) thus enabling graduates to be skilled as Curriculum Leaders in this learning area and to lead extracurricular activities. Students will study general primary curriculum as well as that specific to the teaching of HPE for Years 1 to 10. Professional Experience: There are 90 days of moderated teaching practice in this course.

The Bachelor of Education enables students to develop the knowledge, skills and capabilities to become a teacher. Students are supported in becoming effective educators with a strong grounding in learning, teaching and curriculum. Professional Experience is a key component of the degree, providing students with opportunities to engage with schools and the broader community and to apply their knowledge and skills in a range of school settings. Murdoch Education graduates develop the understanding and capacity to be a teacher as researcher, an agent for change and a socially just practitioner. The degree provides a foundation for lifelong learning through continued professional development and/or further study.

#### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

Students demonstrating English competence via IELTS need an overall score of 7.0 with no individual band less than 7.0

#### Special Requirements:

The WA Department of Education and cooperating non-government schools have the right to determine 'fit and proper persons' to enter and practice in schools. This means all students must obtain two current mandatory checks.

The first is a current Department of Education National Police History Check and the second a current WA Working with Children

Check. Under the Working with Children (Criminal Record Checking) Act 2004 compulsory criminal record checks are required for people working with children.

Refer to the School of Education Professional Experience web site for details:  
<http://www.murdoch.edu.au/School-of-Education/Professional-Experience/Checks-and-clearances/>

The form for the first check is also available from the WA Department of Education website. Federal and State police clearances obtained through police stations are not acceptable. Students should refer to the Study at Murdoch section of this Handbook for further details on this important matter.

It is important to understand that these two checks are mandatory and students are not permitted to enter schools without obtaining them.

For students with English as a second language the Teachers Registration Board of Western Australia requires an IELTS of 8 across all areas on graduation.

#### **Employment Prospects:**

Primary schools; K-12 schools; district high schools; Health.

#### **Professional Recognition:**

On completion of the Bachelor of Education, students have a widely accepted qualification from a recognised university and are eligible for graduate studies or employment in government and independent schools.

#### **Excluded Majors:**

Early Childhood and Primary Teaching; Primary Teaching; Secondary Teaching (Arts Combined Drama); Secondary Teaching (Arts Combined English); Secondary Teaching (Arts Combined History); Secondary Teaching (Arts Combined Languages other than English (Indonesian)); Secondary Teaching (Arts Combined Languages other than English (Japanese)); Secondary Teaching (Combined Science Degrees); Secondary Teaching (Science Combined Mathematics); Secondary Teaching (Science Combined Sport and Health Science); Education Studies

#### **Main Research Areas:**

Education, teaching

#### **Exemptions/Credit and Professional Experience:**

Students seeking exemptions must be able to provide documentary evidence in support of their application.

Students who have had at least two years of full-time recent, relevant and satisfactory teaching experience in an Australian school context may seek partial exemption from the Professional Experience unit/s. Whilst Murdoch recognises that some students may have prior and/or current teaching experience, it requires that a student's classroom competence be assessed before exemptions from Professional Experience can be given.

Students who have been employed as a teacher and have had at least one year of full-time equivalent recent, relevant and satisfactory teaching experience in an Australian school context may seek exemption from BED150 Understanding Teachers' Work.

Students cannot receive exemption from the Professional Experience component of EDN4302 Professional Internship Preliminary: Primary Teaching, and EDN4300 Professional Internship: Primary Teaching. Those who are currently employed in relevant teaching positions may seek permission to complete one Primary Professional Experience in their school. Students must contact the School of Education Professional Experience Office.

If seeking uncredentialed credit students must submit a case in writing, with supporting documentary evidence to explain how the outcomes of units have already been achieved through prior

experience. All applications for exemption and credit must be directed to the Accreditation Officer.

#### **Study Options:**

This course is offered in internal mode only. Some general education units may be available in external mode but HPE specific units require on-campus participation as part of their assessment.

#### **Alternative Entry Pathway:**

An alternative entry pathway exists via the Primary Teaching Combination from Challenger Institute of Technology to the Bachelor of Education (Primary, 1-10 Health and Physical Education). This pathway provides applicants with advanced standing once they enter the University.

### **Major Prerequisites**

#### **Mathematics Background**

Students may need to complete EDN110 Mathematics for Teaching - 3 points [MURDOCH: S1-internal, S1-external] if they have not completed Stage 2 or above of Year 12 Mathematics.

### **Course Structure - 96 credit points**

#### **Part I - 24 credit points**

##### **Year 1 - 24 credit points**

##### **Transition Unit - 3 credit points**

BED100 Ideas in Education - 3 points  
 MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### **Breadth Unit for Degree - 3 credit points**

BED150 Understanding Teachers' Work - 3 points  
 MURDOCH: S2-internal, S2-external

##### **Core Units - 18 credit points**

EDN111 Language for Learning and Teaching - 3 points  
 MURDOCH: S1-internal, S1-external

EDN113 Living and Learning with Technology - 3 points  
 MURDOCH: S1-internal, S1-external

EDN114 Thinking Mathematically - 3 points  
 MURDOCH: S2-internal, S2-external

EDN115 Thinking Scientifically - 3 points  
 MURDOCH: S2-internal, S2-external

EDN116 Physical Education - 3 points  
 MURDOCH: S2-internal

EDN117 Introduction to Health Education - 3 points  
 MURDOCH: S1-internal

#### **Part II - 72 credit points**

##### **Year 2 - 24 credit points**

##### **Research Skills Unit - 3 credit points**

BED200 Assessment and Action Research - 3 points  
 MURDOCH: S2-internal, S2-external

##### **Core Units - 21 credit points**

Part-time students should contact their Academic Chair when creating their study plan, particularly as concurrent enrolment is necessary for the School Experience and Curriculum Units. A sample full-time study plan is available on the School of Education web site.

Students should be enrolled in or have completed EDN235 Teaching English and Literacy in Primary Schools and EDN236 Teaching The Arts in Primary Schools or EDN248 Teaching Health and Physical Education in Primary Schools before enrolling in EDN2104 Professional Experience: English in Practice.

EDN221 Learning and Teaching - 3 points  
 MURDOCH: S1-internal, S1-external

EDN235 Teaching English and Literacy in Primary Schools - 3 points  
MURDOCH: S1-internal, S1-external

EDN356 Sport Education - 3 points  
MURDOCH: S1-internal, S2-internal

EDN358 Creating and Managing Effective Learning Environments - 3 points  
MURDOCH: S1-internal, S1-external

EDN236 Teaching The Arts in Primary Schools - 3 points  
MURDOCH: S2-internal, S2-external

EDN248 Teaching Health and Physical Education in Primary Schools - 3 points  
MURDOCH: S2-internal, S2-external

EDN2104 Professional Experience: English in Practice - 3 points  
MURDOCH: S2-placement

### Year 3 - 24 credit points

#### Research Skills Unit - 3 credit points

BED300 Schooling and Society - Research Skills - 3 points  
Not available this year

#### Breadth Unit University-Wide - 3 credit points

Select one 200-level University Breadth Unit.

#### Core Units - 18 credit points

EDN357 Sports Practicum - 3 points  
Not available this year  
Note that this unit begins prior to the start of Semester 1 each year.

EDN351 Teaching Mathematics in Primary Schools - 3 points  
Not available this year

EDN353 Country, Cultures, Peoples: Aboriginal and Torres Strait Islander Perspectives Across the Curriculum - 3 points  
MURDOCH: S1-internal, S1-external

EDN441 Teaching Humanities and Social Sciences in Primary Years - 3 points  
Not available this year

EDN332 Children, Families and Communities - 3 points  
MURDOCH: S2-internal, S2-external

EDN3102 Professional Experience: Mathematics in Practice - 3 points  
Not available this year

### Year 4 - 24 credit points

#### Core Units - 24 credit points

##### Semester 1

Students should enrol concurrently in EDN464 Health and Physical Education and the Curriculum (Primary) and EDN4100 Professional Experience: Programming Across the Curriculum.

EDN442 Teaching Science in Primary Schools - 3 points  
Not available this year

EDN464 Health and Physical Education and the Curriculum (Primary) - 3 points  
Not available this year

EDN4100 Professional Experience: Programming Across the Curriculum - 3 points  
Not available this year

EDN465 Professional Experience: Perspectives on Curriculum - 3 points  
Not available this year

##### Semester 2

Prior to commencing the final semester of study students must

have successfully completed all Core Units and all point requirements of the course, excluding the units in that final semester.

EDN449 Inclusive Education - 3 points  
Not available this year

EDN4302 Professional Internship: Preliminary Primary Teaching - 3 points  
Not available this year

EDN4300 Professional Internship: Primary Teaching - 6 points  
Not available this year

## PRIMARY TEACHING (BED)

School of Education

Bachelor of Education (BEd) in Primary Teaching

Course Codes: B1319

Duration: 4 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Murdoch campus (external) (except for one professional experience, and a one-week intensive for EDN248)

Primary Teacher Education graduates are qualified to teach from Years 1 to 7 in primary schools. Minors are available for primary teachers in a range of specialisations.

The Bachelor of Education enables students to develop the knowledge, skills and capabilities to become a teacher. Students are supported in becoming effective educators with a strong grounding in learning, teaching and curriculum. Professional Experience is a key component of the degree, providing students with opportunities to engage with schools and the broader community and to apply their knowledge and skills in a range of school settings. Murdoch Education graduates develop the understanding and capacity to be a teacher as researcher, an agent for change and a socially just practitioner. The degree provides a foundation for lifelong learning through continued professional development and/or further study.

#### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

Students demonstrating English competence via IELTS need an overall score of 7.0 with no individual band less than 7.0

#### Special Requirements:

The WA Department of Education and cooperating non-government schools have the right to determine 'fit and proper persons' to enter and practice in schools. This means all students must obtain two current mandatory checks.

The first is a current Department of Education National Police History Check and the second a current WA Working with Children Check. Under the Working with Children (Criminal Record Checking) Act 2004 compulsory criminal record checks are required for people working with children.

Refer to the School of Education Professional Experience web site for details:

<http://www.murdoch.edu.au/School-of-Education/Professional-Experience/Checks-and-clearances/>

The form for the first check is also available from the WA Department of Education website. Federal and State police clearances obtained through police stations are not acceptable. Students should refer to the Study at Murdoch section of this Handbook for further details on this important matter.

It is important to understand that these two checks are mandatory

and students are not permitted to enter schools without obtaining them.

For students with English as a second language the Teachers Registration Board of Western Australian requires an IELTS of 8 across all areas on graduation.

#### **Employment Prospects:**

Murdoch teacher education graduates are employed in government and non-government schools and other education-related occupations. A recent survey of all Murdoch teacher education graduates for the past decade has shown that almost all were employed in teaching within a year of graduating.

#### **Professional Recognition:**

On completion of the Bachelor of Education, students have a widely accepted qualification from a recognised university and are eligible for graduate studies or employment in government and independent schools.

#### **Excluded Majors:**

Primary, 1-10 Health and Physical Education

#### **Main Research Areas:**

Education, teaching.

#### **Exemptions/Credit and Professional Experience:**

Students seeking exemptions must be able to provide documentary evidence in support of their application.

Students who have had at least two years of full-time recent, relevant and satisfactory teaching experience in an Australian school context may seek partial exemption from the Professional Experience unit/s. Whilst Murdoch recognises that some students may have prior and/or current teaching experience, it requires that a student's classroom competence be assessed before exemptions from School Experience can be given.

Students who have been employed as a teacher and have had at least one year of full-time equivalent recent, relevant and satisfactory teaching experience in an Australian school context may seek exemption from BED150 Understanding Teachers' Work.

Students cannot receive exemption from the School Experience component of EDN4300 Professional Internship: Primary Teaching, but those who are currently employed in relevant teaching positions may seek permission to complete one Primary professional experience in their school. Students must contact the Murdoch University School of Education Professional Experience Office.

If seeking uncredentialed credit students must submit a case in writing, with supporting documentary evidence to explain how the outcomes of units have already been achieved through prior experience. All applications for exemption and credit must be directed to the Accreditation Officer.

#### **External Study:**

Not all required units in these majors are offered completely externally. Some are offered as intensive sessions on-campus or in Perth metropolitan schools.

a) External students must undertake the first School Experience unit, EDN2104 Professional Experience: English in Practice in a Perth metropolitan school and under the guidance of a Murdoch University Moderator. Subject to satisfactory completion of this unit, students may arrange, in consultation with the Murdoch Professional Experience Office, to complete their subsequent professional experience in a school other than in metropolitan Perth. Note: BED150 is not included as a first Professional Experience unit for this purpose.

b) For students enrolled in Primary Teacher Education, on-campus

attendance is required for a one-week intensive workshop during winter term (date to be announced) for EDN248 Teaching Health and Physical Education in Primary Schools.

#### **Alternative Entry Pathway:**

An alternative entry pathway exists via the Primary Teaching Combination from Challenger Institute of Technology to the Bachelor of Education (Primary Teaching). This pathway provides applicants with advanced standing once they enter the University.

### **Major Prerequisites**

#### **Mathematics Background**

Students who have not completed Stage 2 or above of Year 12 Mathematics may need to complete:

EDN110 Mathematics for Teaching - 3 points  
MURDOCH: S1-internal, S1-external

### **Course Structure - 96 credit points**

#### **Part I - 24 credit points**

##### **Year 1 - 24 credit points**

##### **Transition Unit - 3 credit points**

BED100 Ideas in Education - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### **Breadth Unit for Degree - 3 credit points**

BED150 Understanding Teachers' Work - 3 points  
MURDOCH: S2-internal, S2-external

##### **Core Units - 12 credit points**

EDN111 Language for Learning and Teaching - 3 points  
MURDOCH: S1-internal, S1-external

EDN113 Living and Learning with Technology - 3 points  
MURDOCH: S1-internal, S1-external

EDN114 Thinking Mathematically - 3 points  
MURDOCH: S2-internal, S2-external

EDN115 Thinking Scientifically - 3 points  
MURDOCH: S2-internal, S2-external

##### **General Electives - 6 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

#### **Part II - 72 credit points**

##### **Year 2 - 24 credit points**

##### **Research Skills Unit - 3 credit points**

BED200 Assessment and Action Research - 3 points  
MURDOCH: S2-internal, S2-external

##### **Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

##### **Core Units - 18 credit points**

Part-time and external students should contact the School of Education when creating their study plan, particularly as it is necessary for concurrent enrolment in the Professional Experience and Primary Curriculum units. A sample full-time study plan is available on the Course Planning Page and the School of Education web site.

Students should be enrolled in or have completed EDN235 Teaching English and Literacy in Primary Schools and EDN236 Teaching The Arts in Primary Schools or EDN248 Teaching Health and Physical Education in Primary Schools before enrolling in EDN2104 Professional Experience: English in Practice.

EDN221 Learning and Teaching - 3 points  
MURDOCH: S1-internal, S1-external



EDN235 Teaching English and Literacy in Primary Schools - 3 points  
MURDOCH: S1-internal, S1-external

EDN358 Creating and Managing Effective Learning Environments - 3 points  
MURDOCH: S1-internal, S1-external

EDN236 Teaching The Arts in Primary Schools - 3 points  
MURDOCH: S2-internal, S2-external

EDN248 Teaching Health and Physical Education in Primary Schools - 3 points  
MURDOCH: S2-internal, S2-external

EDN2104 Professional Experience: English in Practice - 3 points  
MURDOCH: S2-placement

### Year 3 - 24 credit points

#### Research Skills Unit - 3 credit points

BED300 Schooling and Society - Research Skills - 3 points  
Not available this year

#### Core Units - 12 credit points

EDN351 Teaching Mathematics in Primary Schools - 3 points  
Not available this year

EDN353 Country, Cultures, Peoples: Aboriginal and Torres Strait Islander Perspectives Across the Curriculum - 3 points  
MURDOCH: S1-internal, S1-external

EDN332 Children, Families and Communities - 3 points  
MURDOCH: S2-internal, S2-external

EDN3102 Professional Experience: Mathematics in Practice - 3 points  
Not available this year

Students must have completed EDN2104 Professional Experience: English in Practice and should have successfully completed EDN351 Teaching Mathematics in Primary Schools before enrolment in EDN3102 Professional Experience: Mathematics in Practice.

#### Specified Electives - 9 credit points

Select 200- or 300-level units from the Specified Electives Unit List below. Students who have completed at least 36 points at second year and above may enrol in a 400-level unit.

### Year 4 - 24 credit points

#### Core Units - 21 credit points

EDN441 Teaching Humanities and Social Sciences in Primary Years - 3 points  
Not available this year

EDN442 Teaching Science in Primary Schools - 3 points  
Not available this year

EDN4100 Professional Experience: Programming Across the Curriculum - 3 points  
Not available this year

Prior to commencing the final semester of study students must have successfully completed all Core Units and all point requirements of the course, excluding EDN449 Inclusive Education, EDN4302 Professional Internship: Preliminary Primary Teaching, and EDN4300 Professional Internship: Primary Teaching, the units taken in the final semester of the course.

EDN449 Inclusive Education - 3 points  
Not available this year

EDN4302 Professional Internship: Preliminary Primary Teaching - 3 points  
Not available this year

EDN4300 Professional Internship: Primary Teaching - 6 points

Not available this year

#### Specified Electives - 3 credit points

Select a 300-, 400- or 500-level unit from the list below.

#### Specified Elective Unit List

EDN206 ICT in the Classroom - 3 points  
MURDOCH: S2-external

EDN211 Special Topics in Education: Catholic Studies - Prayer and Morality - 3 points  
MURDOCH: SUM-internal

EDN308 Children's Literature in the Classroom - 3 points  
Not available this year

EDN304 Engaging Communities through Drama - 3 points  
MURDOCH: S2-internal

EDN355 Principles and Practices in Early Childhood Education - 3 points  
MURDOCH: S1-internal, S1-external

EDN462 Mathematics and Numeracy in the Early Years - 3 points  
MURDOCH: S1-internal, S1-external

EDN405 Cultural and Linguistic Diversity in the Classroom - 3 points  
Not available this year

## SECONDARY TEACHING (ARTS COMBINED DRAMA) (BED+BA)

School of Education

*Bachelor of Education (BEd) in Secondary Teaching + Bachelor of Arts (BA) in Theatre and Drama*

Course Codes: B1328

Duration: 5 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Murdoch campus (external) (except for one school experience, depending on teaching area selected and on campus components of some units)

Secondary Teacher Education graduates are qualified to teach one or more learning areas at the secondary school level. For Secondary Teacher Education students the Bachelor degree studied concurrently with the Bachelor of Education should be relevant to one of the following learning areas in secondary schools:

Drama

English

History

Languages other than English (LOTE): Japanese

Languages other than English (LOTE): Indonesian

Mathematics

Selected science degrees

Sport and Health Science.

Advice about Murdoch majors suitable for each of these learning areas may be obtained from the Academic Student Advisor (BEd Secondary).

Professional Experience: There are 80 days of supervised teaching practice in this course.

#### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

Students demonstrating English competence via IELTS need an overall score of 7.0 with no individual band less than 7.0

#### Special Requirements:

The WA Department of Education and cooperating non-government schools have the right to determine 'fit and proper persons' to

enter and practice in schools. This means all students must obtain two current mandatory checks.

The first is a current Department of Education National Police History Check and the second a current WA Working with Children Check. Under the Working with Children (Criminal Record Checking) Act 2000 compulsory criminal record checks are required for people working with children.

Refer to the School of Education Professional Experience website for details:

<http://www.murdoch.edu.au/School-of-Education/Professional-Experience/Checks-and-clearances/>

The form for the first check is also available from the WA Department of Education website. Federal and State police clearances obtained through police stations are not acceptable. Students should refer to the Study at Murdoch section of this Handbook for further details on this important matter.

It is important to understand that these two checks are mandatory and students are not permitted to enter schools without obtaining them.

For students with English as a second language the Teachers Registration Board of Western Australia requires an IELTS of 8 across all areas on graduation.

#### **Employment Prospects:**

Murdoch graduates are employed in government and non-government schools and other education-related occupations.

#### **Professional Recognition:**

On completion of the Bachelor of Education, students have a widely accepted qualification from a recognised university and are eligible for graduate studies or employment in government and independent schools.

#### **Excluded Majors:**

Primary, 1-10 Health and Physical Education

#### **Main Research Areas:**

Education, teaching, curriculum

#### **Exemptions/Credit and Professional Experience:**

Students seeking exemptions must be able to provide documentary evidence in support of their application.

Students who have had at least two years of full-time recent relevant and satisfactory teaching experience in an Australian school context may seek partial exemption from the Professional Experience unit/s. Whilst Murdoch recognises that some students may have prior and/or current teaching experience, it requires that a student's classroom competence be assessed before exemptions from Professional Experience can be given.

Students who have been employed as a teacher and have had at least one year of full-time equivalent recent, relevant and satisfactory teaching experience in an Australian school context may seek exemption from BED150 Understanding Teachers' Work.

Students cannot receive exemption from the Professional Internship: Secondary Teaching but those who are currently employed in relevant teaching positions may seek permission to complete one Professional Experience in their school. Students must contact the Murdoch University School of Education Professional Experience Office for advice.

If seeking uncredentialed credit students must submit a case in writing, with supporting documentary evidence to explain how the outcomes of units have already been achieved through prior experience. All applications for exemption and credit must be directed to the Accreditation Officer.

#### **External Study:**

Not all required units in these majors are offered completely externally. Some are offered as intensive sessions on-campus or in Perth metropolitan schools.

External students must undertake their first curriculum-based Professional Experience unit (EDN305) in a Perth metropolitan school. Subject to satisfactory completion of this unit, external students may arrange, in consultation with the Murdoch University School of Education Professional Experience Office, to complete their subsequent Professional Experience in a school other than in metropolitan Perth. Note: BED150 is not included as a first Professional Experience unit for this purpose.

### **Course Structure - 120 credit points**

It is recommended that students select their units in such a way that they develop two teaching areas. Teaching Area A (aligned to the BA in Drama) and Teaching Area B (selected from the other teaching areas offered). Study in the BA for Teaching Area A should be equivalent to five units (15 points) in total, with no more than two units at 100-level (6 points).

#### **Part I - 24 credit points**

##### **Year 1 - 24 credit points**

##### **Transition Unit - 3 credit points**

BED100 Ideas in Education - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### **Breadth Unit for Degree - 6 credit points**

BED150 Understanding Teachers' Work - 3 points  
MURDOCH: S2-internal, S2-external

BAR150 Ideas and Identity - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### **Core Units - 12 credit points**

##### **Education Units - 6 credit points**

EDN111 Language for Learning and Teaching - 3 points  
MURDOCH: S1-internal, S1-external

EDN113 Living and Learning with Technology - 3 points  
MURDOCH: S1-internal, S1-external

##### **Drama Units - 6 credit points**

EGL106 Drama, Theatre and Performance - 3 points  
MURDOCH: S2-internal

EGL121 Turning Points in Literature - 3 points  
MURDOCH: S1-internal, S1-external

##### **General Electives - 3 credit points**

Select from any 100-level units offered by the University relevant to Teaching Area A and Teaching Area B, subject to individual unit prerequisites.

Students are advised to use their General Elective Units to develop their capacity for Teaching Area B.

#### **Part II - 96 credit points**

##### **Year 2 - 24 credit points**

##### **Research Skills Unit - 3 credit points**

BED200 Assessment and Action Research - 3 points  
MURDOCH: S2-internal, S2-external

##### **Core Units - 9 credit points**

##### **Education Units - 6 credit points**

Part-time and external students should contact the Student Centre when creating their study plan, particularly as it is necessary for concurrent enrolment in the Professional

Experience and Secondary Curriculum units.

EDN221 Learning and Teaching - 3 points  
MURDOCH: S1-internal, S1-external

EDN2101 Professional Experience: BEd Secondary Teaching - 3 points  
MURDOCH: ST4-placement

#### **Drama Unit - 3 credit points**

EGL236 Performance and Creative Arts - 3 points  
MURDOCH: S2-internal

#### **Specified Electives - 6 credit points**

##### **Drama Units - 6 credit points**

Select from the Specified Elective Unit List below.

##### **General Electives - 6 credit points**

Select from any 200- to 400-level units offered by the University, relevant to Teaching Area A and Teaching Area B, subject to individual unit prerequisites.

#### **Year 3 - 24 credit points**

##### **Research Skills Unit - 3 credit points**

BAR200 Developing Research Skills and Methods - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### **Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

#### **Core Units - 12 credit points**

##### **Education Units - 6 credit points**

EDN305 Professional Experience: BEd Secondary - 3 points  
Not available this year  
Students are usually to enrol concurrently in this unit with their Teaching Area B unit.

Students must select as a Teaching Area B unit one of the following units which is different from their Teaching Area A (Drama), and for which they have the prerequisites (minimum of 15 points). At least 9 points must have been completed before enrolment in these units.

EDN372 English and the Curriculum A (Secondary 7 - 10) - 3 points  
Not available this year

EDN373 Mathematics and the Curriculum A (Secondary 7 - 10) - 3 points  
Not available this year

EDN375 Second/Foreign Languages and the Curriculum A (Secondary 7 - 10) - 3 points  
Not available this year

EDN376 Science and the Curriculum A (Secondary 7 - 10) - 3 points  
Not available this year

EDN377 Humanities and Social Sciences Curriculum A (Secondary 7 - 10) - 3 points  
Not available this year

Students who do not have enough content background to select one of the above Teaching Area B options must substitute with one of the following units, or take an elective in their non-Education Major. This will not provide a student with a second teaching area.

EDN206 ICT in the Classroom - 3 points  
MURDOCH: S2-external

EDN211 Special Topics in Education: Catholic Studies - Prayer and Morality - 3 points  
MURDOCH: SUM-internal

EDN301 Children's Literature in the Classroom - 4 points  
MURDOCH: S2-internal, S2-external

EDN405 Cultural and Linguistic Diversity in the Classroom - 3 points  
Not available this year

#### **Drama Units - 6 credit points**

EGL349 Contemporary Theatre Practice - 3 points  
Not available this year

EDN304 Engaging Communities through Drama - 3 points  
MURDOCH: S2-internal

#### **Specified Electives - 3 credit points**

##### **Drama Unit - 3 credit points**

Select from the Specified Elective Unit List below.

##### **General Electives - 3 credit points**

Select from any 200- to 400-level units offered by the University, relevant to Teaching Area A and Teaching Area B, subject to individual unit prerequisites.

#### **Year 4 - 24 credit points**

##### **Research Skills Units - 6 credit points**

BED300 Schooling and Society - Research Skills - 3 points  
Not available this year

BAR300 Bachelor of Arts Research Skills Unit - 3 points  
Not available this year

#### **Core Units - 15 credit points**

##### **Education Units - 15 credit points**

EDN353 Country, Cultures, Peoples: Aboriginal and Torres Strait Islander Perspectives Across the Curriculum - 3 points  
MURDOCH: S1-internal, S1-external

EDN332 Children, Families and Communities - 3 points  
MURDOCH: S2-internal, S2-external

EDN446 Adolescent Health and Development - 3 points  
Not available this year

EDN410 Professional Experience: BEd Secondary - 3 points  
Not available this year  
Students should enrol concurrently in this unit with their Teaching Area A unit.

EDN371 Drama and the Curriculum A (Secondary 7 - 10) - 3 points  
Not available this year

##### **General Electives - 3 credit points**

Select from any 200- to 400-level units offered by the University, relevant to Teaching Area A and Teaching Area B subject to individual unit prerequisites.

#### **Year 5 - 24 credit points**

##### **Core Units - 24 credit points**

##### **Education Units - 24 credit points**

##### **Semester 1 - 12 credit points**

EDN465 Professional Experience: Perspectives on Curriculum - 3 points  
Not available this year

EDN358 Creating and Managing Effective Learning Environments - 3 points  
MURDOCH: S1-internal, S1-external

In Year 5 students complete two additional curriculum units that extend the work begun in Years 3 and 4.

Teaching Area A  
EDN471 Drama and the Curriculum B (Secondary 11 - 12) - 3

points

Not available this year

**Teaching Area B**

Students must select as a continuation of Teaching Area B one of the following units which is different from their Teaching Area A (Drama), for which they have the prerequisites (minimum of 15 points) and which continues their 300-level unit in the area (3 points).

EDN472 English and the Curriculum B (Secondary 11 - 12) - 3 points

Not available this year

EDN473 Mathematics and the Curriculum B (Secondary 11 - 12) - 3 points

Not available this year

EDN475 Second/Foreign Languages and the Curriculum B (Secondary 11 - 12) - 3 points

Not available this year

EDN476 Science and the Curriculum B (Secondary 11 - 12) - 3 points

Not available this year

EDN477 Humanities and Social Sciences Curriculum B (Secondary 11 - 12) - 3 points

Not available this year

**Semester 2 - 12 credit points**

Note that enrolment in EDN4303 Professional Internship: Preliminary Secondary Teaching and EDN4301 Professional Internship: Secondary Teaching require that 40 days be spent in schools, so enrolling in other units is not possible.

EDN449 Inclusive Education - 3 points

Not available this year

EDN4303 Professional Internship: Preliminary Secondary Teaching - 3 points

Not available this year

EDN4301 Professional Internship: Secondary Teaching - 6 points

Not available this year

**Specified Elective Unit List****Drama Units**

Select Specified Electives from the following units during Years 2 and 3, subject to individual unit prerequisites.

EGL239 Acting and Production I - 3 points  
MURDOCH: S1-internal

EGL240 Children's Theatre - 3 points  
MURDOCH: S1-internal

EGL342 Comparative Theatre - 3 points  
Not available this year

EGL348 Shakespeare - 3 points  
Not available this year

**SECONDARY TEACHING (ARTS COMBINED ENGLISH) (BED+BA)**

School of Education

*Bachelor of Education (BED) in Secondary Teaching + Bachelor of Arts (BA) in English and Creative Writing*

Course Codes: B1328

Duration: 5 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external) (except for one school experience,

depending on teaching area selected and on-campus components of some units)

Secondary Teacher Education graduates are qualified to teach one or more learning areas at the secondary school level. For Secondary Teacher Education students the Bachelor degree studied concurrently with the Bachelor of Education should be relevant to one of the following learning areas in secondary schools:

Drama

English

History

Languages other than English (LOTE): Japanese

Languages other than English (LOTE): Indonesian

Mathematics

Selected science degrees

Sport and Health Science.

Advice about Murdoch majors suitable for each of these learning areas may be obtained from the Academic Student Advisor (BEd Secondary).

Professional Experience: There are 80 days of supervised teaching practice in this course.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

Students demonstrating English competence via IELTS need an overall score of 7.0 with no individual band less than 7.0

**Special Requirements:**

The WA Department of Education and cooperating non-government schools have the right to determine 'fit and proper persons' to enter and practice in schools. This means all students must obtain two criminal history checks.

The first is a current WA Department of Education Criminal Record check. The second is a Working with Children Check. Under the Working with Children (Criminal Record Checking) Act 2004 compulsory criminal record checks are required for people working with children.

The appropriate application forms are available from the Murdoch University School of Education Professional Experience office. The form for the first check is also available from the office's web site and the WA Department of Education web site. Federal and State police clearances obtained through police stations are not acceptable. Students should refer to the Study at Murdoch section of this Handbook for further details on this important matter.

It is important to understand that these two checks are mandatory and students are not permitted to enter schools without obtaining them.

For students with English as a second language the Western Australian College for Teaching requires an IELTS of 8 across all areas on graduation.

**Employment Prospects:**

A recent survey of all Murdoch teacher education graduates for the past decade showed that almost all were employed in teaching within a year of graduating. Murdoch graduates are employed in government and non-government schools and other education-related occupations.

**Professional Recognition:**

On completion of the Bachelor of Education, students have a widely accepted qualification from a recognised university and are eligible for graduate studies or employment in government and independent schools.

**Excluded Majors:**

Primary, 1-10 Health and Physical Education

**Main Research Areas:**

Education, teaching, curriculum

**Exemptions/Credit and Professional Experience:**

Students seeking exemptions must be able to provide documentary evidence in support of their application.

Students who have had at least two years of full-time recent, relevant and satisfactory teaching experience in an Australian school context may seek partial exemption from the Professional Experience unit/s. Whilst Murdoch recognises that some students may have prior and/or current teaching experience, it requires that a student's classroom competence be assessed before exemptions from Professional Experience can be given.

Students who have been employed as a teacher and have had at least one year of full-time equivalent recent, relevant and satisfactory teaching experience in an Australian school context may seek exemption from BED150 Understanding Teachers' Work.

Students cannot receive exemption from the Professional Internship: Secondary Teaching but those who are currently employed in relevant teaching positions may seek permission to complete one Professional Experience in their school. Students must contact the Murdoch University School of Education Professional Experience Office for advice.

If seeking uncredentialed credit students must submit a case in writing, with supporting documentary evidence to explain how the outcomes of units have already been achieved through prior experience. All applications for exemption and credit must be directed to the Accreditation Officer.

**External Study:**

Not all required units in these majors are offered completely externally. Some are offered as intensive sessions on-campus or in Perth metropolitan schools.

External students must undertake their first curriculum-based Professional Experience unit (EDN305) in a Perth metropolitan school. Subject to satisfactory completion of this unit, external students may arrange, in consultation with the Murdoch University School Experience Office, to complete their subsequent Professional Experience in a school other than in metropolitan Perth. Note: BED150 is not included as a first Professional Experience unit for this purpose.

**Course Structure - 120 credit points**

It is recommended that students select their units in such a way that they develop two teaching areas: Teaching Area A (aligned to the BA English) and Teaching Area B (selected from the other teaching areas offered). Study in the BA for Teaching Area A should be equivalent to five units (15 points) in total, with no more than two units at 100-year level (6 points).

**Part I - 24 credit points****Year 1 - 24 credit points****Transition Unit - 3 credit points**

BED100 Ideas in Education - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Breadth Unit for Degree - 6 credit points**

BED150 Understanding Teachers' Work - 3 points  
MURDOCH: S2-internal, S2-external

BAR150 Ideas and Identity - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Core Units - 12 credit points****Education Units - 6 credit points**

EDN111 Language for Learning and Teaching - 3 points  
MURDOCH: S1-internal, S1-external

EDN113 Living and Learning with Technology - 3 points  
MURDOCH: S1-internal, S1-external

**English Units - 6 credit points**

EGL121 Turning Points in Literature - 3 points  
MURDOCH: S1-internal, S1-external

EGL122 Writing and Creativity - 3 points  
MURDOCH: S2-internal, S2-external

**General Electives - 3 credit points**

Select from any 100-level units offered by the University relevant to Teaching Area A and Teaching Area B, subject to individual unit prerequisites.

Students are advised to use their General Elective Units to develop their capacity for Teaching Area B.

**Part II - 96 credit points****Year 2 - 24 credit points****Research Skills Unit - 3 credit points**

BED200 Assessment and Action Research - 3 points  
MURDOCH: S2-internal, S2-external

**Core Units - 9 credit points****Education Units - 6 credit points**

Part-time and external students should contact the Student Centre when creating their study plan, particularly as it is necessary for concurrent enrolment in the Professional Experience and Secondary Curriculum units.

EDN221 Learning and Teaching - 3 points  
MURDOCH: S1-internal, S1-external

EDN2101 Professional Experience: BEd Secondary Teaching  
MURDOCH: ST4-placement

**English Unit - 3 credit points**

EGL252 Great Books Past and Present 1 - 3 points  
MURDOCH: S1-internal, S1-external

**Specified Electives - 6 credit points****English Units - 6 credit points**

Select from the Specified Elective Unit List below.

**General Electives - 6 credit points**

Select from any 200- to 400-level units offered by the University relevant to Teaching Area A and Teaching Area B, subject to individual unit prerequisites.

**Year 3 - 24 credit points****Research Skills Unit - 3 credit points**

BAR200 Developing Research Skills and Methods - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

**Core Units - 9 credit points****Education Units - 6 credit points**

EDN305 Professional Experience: BEd Secondary  
Not available this year  
Students are usually to enrol concurrently in this unit with their Teaching Area B unit.

Students must select as a Teaching Area B one of the following units which is different from their Teaching Area A (English) and for which they have, or will have, the prerequisites (minimum of 15 points). At least 9 points must have been completed before

enrolment in these units.

EDN371 Drama and the Curriculum A (Secondary 7 - 10) - 3 points  
Not available this year

EDN373 Mathematics and the Curriculum A (Secondary 7 - 10) - 3 points  
Not available this year

EDN375 Second/Foreign Languages and the Curriculum A (Secondary 7 - 10) - 3 points  
Not available this year

EDN376 Science and the Curriculum A (Secondary 7 - 10) - 3 points  
Not available this year

EDN377 Humanities and Social Sciences Curriculum A (Secondary 7 - 10) - 3 points  
Not available this year

Students who do not have enough content background to select one of the above Teaching Area B options must substitute with one of the following units, or take an elective in their non-Education Major. This will not provide a student with a second teaching area.

EDN206 ICT in the Classroom - 3 points  
MURDOCH: S2-external

EDN211 Special Topics in Education: Catholic Studies - Prayer and Morality - 3 points  
MURDOCH: SUM-internal

EDN301 Children's Literature in the Classroom - 4 points  
MURDOCH: S2-internal, S2-external

EDN304 Engaging Communities through Drama - 3 points  
MURDOCH: S2-internal

EDN405 Cultural and Linguistic Diversity in the Classroom - 3 points  
Not available this year

#### **English Unit - 3 credit points**

EGL345 Great Books Past and Present 2 - 3 points  
Not available this year

#### **Specified Electives - 6 credit points**

##### **English Units - 6 credit points**

Select from the Specified Elective Unit List below.

##### **General Electives - 3 credit points**

Select from any 200- to 400-level units offered by the University relevant to Teaching Area A and Teaching Area B, subject to individual unit prerequisites.

#### **Year 4 - 24 credit points**

##### **Research Skills Units - 6 credit points**

BED300 Schooling and Society - Research Skills - 3 points  
Not available this year

BAR300 Bachelor of Arts Research Skills Unit - 3 points  
Not available this year

##### **Core Units - 15 credit points**

##### **Education Units - 15 credit points**

EDN353 Country, Cultures, Peoples: Aboriginal and Torres Strait Islander Perspectives Across the Curriculum - 3 points  
MURDOCH: S1-internal, S1-external

EDN332 Children, Families and Communities - 3 points  
MURDOCH: S2-internal, S2-external

EDN446 Adolescent Health and Development - 3 points  
Not available this year

EDN410 Professional Experience: BEd Secondary - 3 points  
Not available this year  
Students should enrol concurrently in this unit with their Teaching Area A unit.

EDN372 English and the Curriculum A (Secondary 7 - 10) - 3 points  
Not available this year

#### **General Electives - 3 credit points**

Select from any 200- to 400-level units offered by the University relevant to Teaching Area A and Teaching Area B, subject to individual unit prerequisites.

#### **Year 5 - 24 credit points**

##### **Core Units - 24 credit points**

##### **Education Units - 24 credit points**

##### **Semester 1 - 12 credit points**

EDN465 Professional Experience: Perspectives on Curriculum - 3 points  
Not available this year

EDN358 Creating and Managing Effective Learning Environments - 3 points  
MURDOCH: S1-internal, S1-external

In Year 5 students complete two additional curriculum units that extend the work begun in Years 3 and 4.

Teaching Area A

EDN472 English and the Curriculum B (Secondary 11 - 12) - 3 points  
Not available this year

Teaching Area B

Students must select as a continuation of their Teaching Area B one of the following units which is different from their Teaching Area A (English), for which they have the prerequisites (minimum of 15 points), and which continues their 300-level unit in the area.

EDN471 Drama and the Curriculum B (Secondary 11 - 12) - 3 points  
Not available this year

EDN473 Mathematics and the Curriculum B (Secondary 11 - 12) - 3 points  
Not available this year

EDN476 Science and the Curriculum B (Secondary 11 - 12) - 3 points  
Not available this year

EDN477 Humanities and Social Sciences Curriculum B (Secondary 11 - 12) - 3 points  
Not available this year

##### **Semester 2 - 12 credit points**

Note that EDN4303 Professional Internship: Preliminary Secondary Teaching and EDN4301 Professional Internship: Secondary Teaching require that 40 days be spent in schools, so enrolling in other units is not possible.

EDN449 Inclusive Education - 3 points  
Not available this year

EDN4303 Professional Internship: Preliminary Secondary Teaching - 3 points  
Not available this year

EDN4301 Professional Internship: Secondary Teaching - 6 points  
Not available this year

#### **Specified Elective Unit List**

##### **English Units**

Select Specified Electives from the following units during Years 2 and 3, subject to individual unit prerequisites.

EGL233 Telling True Stories - 3 points  
MURDOCH: S2-internal, S2-external

EGL346 Literary Theory - 3 points  
Not available this year

EGL230 Popular Literature and Science Fiction - 3 points  
MURDOCH: S2-internal, S2-external

EGL235 Australian Literature and Film - 3 points  
MURDOCH: S1-internal, S1-external

EGL344 Sonnet to Song: Understanding Poetry - 3 points  
Not available this year

EGL343 Contemporary Fiction Writing - 3 points  
Not available this year

EGL348 Shakespeare - 3 points  
Not available this year

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## SECONDARY TEACHING (ARTS COMBINED HISTORY) (BED+BA)

School of Education

*Bachelor of Education (BEd) in Secondary Education + Bachelor of Arts (BA) in History*

Course Codes: B1328

Duration: 5 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)
- Murdoch campus (external) (except for one school experience, depending on teaching area selected and on campus components of some units)

Secondary Teacher Education graduates are qualified to teach one or more learning areas at the secondary school level. For Secondary Teacher Education students the Bachelor degree studied concurrently with the Bachelor of Education should be relevant to one of the following learning areas in secondary schools:

Drama

English

History

Languages other than English (LOTE): Japanese

Languages other than English (LOTE): Indonesian

Mathematics

Selected science degrees

Sport and Health Science.

Advice about Murdoch majors suitable for each of these learning areas may be obtained from the Academic Student Advisor (BED Secondary).

Professional Experience: There are 80 days of supervised teaching practice in this course.

### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

Students demonstrating English competence via IELTS need an overall score of 7.0 with no individual band less than 7.0

### Special Requirements:

The WA Department of Education and cooperating non-government schools have the right to determine 'fit and proper persons' to enter and practice in schools. This means all students must obtain two criminal history checks.

The first is a current WA Department of Education Criminal Record check. The second is a Working with Children Check. Under the Working with Children (Criminal Record Checking) Act 2004

compulsory criminal record checks are required for people working with children.

The appropriate application forms are available from the Murdoch University School of Education Professional Experience office. The form for the first check is also available from the office's website and the WA Department of Education website. Federal and State police clearances obtained through police stations are not acceptable. Students should refer to the Study at Murdoch section of this Handbook for further details on this important matter.

It is important to understand that these two checks are mandatory and students are not permitted to enter schools without obtaining them.

For students with English as a second language the Teachers Registration Board of Western Australian requires an IELTS of 8 across all areas on graduation.

### Employment Prospects:

A recent survey of all Murdoch teacher education graduates for the past decade showed that almost all were employed in teaching within a year of graduating. Murdoch graduates are employed in government and non-government schools and other education-related occupations.

### Professional Recognition:

On completion of the Bachelor of Education, students have a widely accepted qualification from a recognised university and are eligible for graduate studies or employment in government and independent schools.

### Excluded Majors:

Primary, 1-10 Health and Physical Education

### Main Research Areas:

Education, teaching, curriculum

### Exemptions/Credit and Professional Experience:

Students seeking exemptions must be able to provide documentary evidence in support of their application.

Students who have had at least two years of full-time recent, relevant and satisfactory teaching experience in an Australian school context may seek partial exemption from the Professional Experience unit/s. Whilst Murdoch recognises that some students may have prior and/or current teaching experience, it requires that a student's classroom competence be assessed before exemptions from Professional Experience can be given.

Students who have been employed as a teacher and have had at least one year of full-time equivalent recent, relevant and satisfactory teaching experience in an Australian school context may seek exemption from BED150 Understanding Teachers' Work.

Students cannot receive exemption from the Professional Internship: Secondary Teaching but those who are currently employed in relevant teaching positions may seek permission to complete one Professional Experience in their school. Students must contact the Murdoch University School of Education Professional Experience Office for advice.

If seeking uncredentialed credit students must submit a case in writing, with supporting documentary evidence to explain how the outcomes of units have already been achieved through prior experience. All applications for exemption and credit must be directed to the Accreditation Officer.

### External Study:

Not all required units in these majors are offered completely externally. Some are offered as intensive sessions on-campus or in Perth metropolitan schools.

External students must undertake their first curriculum-based Professional Experience unit (EDN305) in a Perth metropolitan school. Subject to satisfactory completion of this unit, external students may arrange, in consultation with the Murdoch University School of Education Professional Experience Office, to complete their subsequent Professional Experience in a school other than in metropolitan Perth. Note: BED150 is not included as a first Professional Experience unit for this purpose.

### Course Structure - 120 credit points

It is recommended that students select their units in such a way that they develop two teaching areas. Teaching Area A (aligned to the BA in History) and Teaching Area B (selected from the other teaching areas offered). Study in the BA for Teaching Area A should be equivalent to five units (15 points) in total, with no more than two units at 100-level (6 points).

#### Part I - 24 credit points

##### Year 1 - 24 credit points

###### Transition Unit - 3 credit points

BED100 Ideas in Education - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

###### Breadth Unit for Degree - 6 credit points

BED150 Understanding Teachers' Work - 3 points  
MURDOCH: S2-internal, S2-external  
BAR150 Ideas and Identity - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### Core Units - 12 credit points

###### Education Units - 6 credit points

EDN111 Language for Learning and Teaching - 3 points  
MURDOCH: S1-internal, S1-external  
EDN113 Living and Learning with Technology - 3 points  
MURDOCH: S1-internal, S1-external

###### History Units - 6 credit points

HIS181 Introduction to History - 3 points  
MURDOCH: S1-internal, S1-external  
HIS182 Making of the Modern World - 3 points  
MURDOCH: S2-internal, S2-external

##### General Electives - 3 credit points

Select from any 100-level units offered by the University relevant to Teaching Area A and Teaching Area B, subject to individual unit prerequisites.

Students are advised to use their General Elective Units to develop their capacity for Teaching Area B.

#### Part II - 96 credit points

##### Year 2 - 24 credit points

###### Research Skills Unit - 3 credit points

BED200 Assessment and Action Research - 3 points  
MURDOCH: S2-internal, S2-external

##### Core Units - 9 credit points

###### Education Units - 6 credit points

Part-time and external students should contact the Student Centre when creating their study plan, particularly as it is necessary for concurrent enrolment in the Professional Experience and Secondary Curriculum units.

EDN221 Learning and Teaching - 3 points  
MURDOCH: S1-internal, S1-external  
EDN2101 Professional Experience: BEd Secondary Teaching - 3

points  
MURDOCH: ST4-placement

###### History Unit - 3 credit points

HIS200 Approaches to History - 3 points  
MURDOCH: S2-internal, S2-external

##### Specified Electives - 6 credit points

###### History Units - 6 credit points

Select from the Specified Elective Unit List below.

##### General Electives - 6 credit points

Select from any 200- to 400-level units offered by the University relevant to Teaching Area A and Teaching Area B, subject to individual unit prerequisites.

##### Year 3 - 24 credit points

###### Research Skills Unit - 3 credit points

BAR200 Developing Research Skills and Methods - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

###### Breadth Unit University-Wide - 3 credit points

Select one 200-level University Breadth Unit.

##### Core Units - 9 credit points

###### Education Units - 6 credit points

EDN305 Professional Experience: BEd Secondary - 3 points  
Not available this year  
Students are usually to enrol concurrently in this unit with their Teaching Area B unit.

Students must select as a Teaching Area B one of the following units which is different from their Teaching Area A (History) and for which they have, or will have, the prerequisites (minimum of 15 points). At least 9 points must have been completed before enrolment in these units.

EDN371 Drama and the Curriculum A (Secondary 7 - 10) - 3 points  
Not available this year

EDN372 English and the Curriculum A (Secondary 7 - 10) - 3 points  
Not available this year

EDN373 Mathematics and the Curriculum A (Secondary 7 - 10) - 3 points  
Not available this year

EDN375 Second/Foreign Languages and the Curriculum A (Secondary 7 - 10) - 3 points  
Not available this year

EDN376 Science and the Curriculum A (Secondary 7 - 10) - 3 points  
Not available this year

Students who do not have enough content background to select one of the above Teaching Area B options must substitute with one of the following units, or take an elective in their non-Education Major. This will not provide a student with a second teaching area.

EDN206 ICT in the Classroom - 3 points  
MURDOCH: S2-external

EDN211 Special Topics in Education: Catholic Studies - Prayer and Morality - 3 points  
MURDOCH: SUM-internal

EDN301 Children's Literature in the Classroom - 4 points  
MURDOCH: S2-internal, S2-external

EDN304 Engaging Communities through Drama - 3 points  
MURDOCH: S2-internal



EDN405 Cultural and Linguistic Diversity in the Classroom - 3 points  
Not available this year

**History Unit - 3 credit points**

HIS300 Creating History - 3 points

**Specified Electives - 6 credit points**

**History Units - 6 credit points**

Select from the Specified Elective Unit List below.

**General Electives - 3 credit points**

Select from any 200- to 400-level units offered by the University relevant to Teaching Area A and Teaching Area B, subject to individual unit prerequisites.

**Year 4 - 24 credit points**

**Research Skills Units - 6 credit points**

BED300 Schooling and Society - Research Skills - 3 points  
Not available this year

BAR300 Bachelor of Arts Research Skills Unit - 3 points  
Not available this year

**Core Units - 15 credit points**

**Education Units - 15 credit points**

EDN353 Country, Cultures, Peoples: Aboriginal and Torres Strait Islander Perspectives Across the Curriculum - 3 points

EDN332 Children, Families and Communities - 3 points  
MURDOCH: S2-internal, S2-external

EDN446 Adolescent Health and Development - 3 points  
Not available this year

EDN410 Professional Experience: BEd Secondary - 3 points  
Not available this year  
Students should enrol concurrently in this unit with their Teaching Area A unit.

EDN377 Humanities and Social Sciences Curriculum A (Secondary 7 - 10) - 3 points  
Not available this year

**General Electives - 3 credit points**

Select from any 200- to 400-level units offered by the University relevant to Teaching Area A and Teaching Area B, subject to individual unit prerequisites.

**Year 5 - 24 credit points**

**Core Units - 24 credit points**

**Education Units - 24 credit points**

**Semester 1 - 12 credit points**

EDN465 Professional Experience: Perspectives on Curriculum - 3 points  
Not available this year

EDN358 Creating and Managing Effective Learning Environments - 3 points  
MURDOCH: S1-internal, S1-external

In Year 5 students complete two additional curriculum units that extend the work begun in Years 3 and 4.

Teaching Area A  
EDN477 Humanities and Social Sciences Curriculum B (Secondary 11 - 12) - 3 points  
Not available this year

Teaching Area B  
Students must select as a continuation of Teaching Area B one of the following units which is different from their Teaching Area A (History), for which they have the prerequisites (minimum of 15

points) and which continues their 300-level unit in the area (3 points).

EDN471 Drama and the Curriculum B (Secondary 11 - 12) - 3 points  
Not available this year

EDN472 English and the Curriculum B (Secondary 11 - 12) - 3 points  
Not available this year

EDN473 Mathematics and the Curriculum B (Secondary 11 - 12) - 3 points  
Not available this year

EDN475 Second/Foreign Languages and the Curriculum B (Secondary 11 - 12) - 3 points  
Not available this year

EDN476 Science and the Curriculum B (Secondary 11 - 12) - 3 points  
Not available this year

**Semester 2 - 12 credit points**

Students should note that enrolment in EDN4303 Professional Internship: Preliminary Secondary Teaching and EDN4301 Professional Internship: Secondary Teaching require that 40 days be spent in schools, so enrolling in other units is not possible.

EDN449 Inclusive Education - 3 points  
Not available this year

EDN4303 Professional Internship: Preliminary Secondary Teaching - 3 points

EDN4301 Professional Internship: Secondary Teaching - 6 points  
Not available this year

**Specified Elective Unit List**

**History Units**

Select Specified Electives from the following units during Years 2 and 3, subject to individual unit prerequisites. Units will normally be available at least once every two years.

In addition, Special Topics are available from time to time and may be used as a Specified Elective. Students should consult the Academic Chair to confirm the offering in any particular year.

HIS250 Hollywood and History - 3 points  
MURDOCH: S2-internal, S2-external

HIS302 Australia and its Asian Context - 3 points  
Not available this year

HIS324 Rebirth of Europe 1945-2001 - 3 points  
MURDOCH: S1-internal, S1-external

HIS259 Europe Under the Dictators - 3 points  
Not available this year

HIS310 Modern Japanese History - 3 points  
Not available this year

HIS258 Soldiers and Civilians: War in the Pacific 1941-1945 - 3 points  
MURDOCH: S1-internal, S1-external

HIS256 Earth, Fire, Wind and Water: Australian Environmental History - 3 points  
MURDOCH: S1-internal, S1-external

## SECONDARY TEACHING (ARTS COMBINED LANGUAGES OTHER THAN ENGLISH (INDONESIAN)) (BED+BA)

School of Education

Bachelor of Education (BEd) in Secondary Education + Bachelor of Arts (BA) in Indonesian

Course Codes: B1328

Duration: 5 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)
- Murdoch campus (external) (except for one school experience, depending on teaching area selected and on campus components of some units)

Secondary Teacher Education graduates are qualified to teach one or more learning areas at the secondary school level. For Secondary Teacher Education students the Bachelor degree studied concurrently with the Bachelor of Education should be relevant to one of the following learning areas in secondary schools:

Drama

English

History

Languages other than English (LOTE): Japanese

Languages other than English (LOTE): Indonesian

Mathematics

Selected science degrees

Sport and Health Science.

Advice about Murdoch majors suitable for each of these learning areas may be obtained from the Academic Student Advisor (BED Secondary).

Professional Experience: There are 80 days of supervised teaching practice in this course.

### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

Students demonstrating English competence via IELTS need an overall score of 7.0 with no individual band less than 7.0

### Special Requirements:

The WA Department of Education and cooperating non-government schools have the right to determine 'fit and proper persons' to enter and practice in schools. This means all students must obtain two criminal history checks.

The first is a current WA Department of Education Criminal Record check. The second is a Working with Children Check. Under the Working with Children (Criminal Record Checking) Act 2004 compulsory criminal record checks are required for people working with children.

The appropriate application forms are available from the Murdoch University School of Education Professional Experience office. The form for the first check is also available from the office's website and the WA Department of Education website. Federal and State police clearances obtained through police stations are not acceptable. Students should refer to the Study at Murdoch section of this Handbook for further details on this important matter.

It is important to understand that these two checks are mandatory and students are not permitted to enter schools without obtaining them.

For students with English as a second language the Teachers Registration Board of Western Australian requires an IELTS of 8 across all areas on graduation.

### Employment Prospects:

A recent survey of all Murdoch teacher education graduates for the

past decade showed that almost all were employed in teaching within a year of graduating. Murdoch graduates are employed in government and non-government schools and other education-related occupations.

### Professional Recognition:

On completion of the Bachelor of Education, students have a widely accepted qualification from a recognised university and are eligible for graduate studies or employment in government and independent schools.

### Excluded Majors:

Primary, 1-10 Health and Physical Education

### Main Research Areas:

Education, teaching, curriculum

### Exemptions/Credit and Professional Experience:

Students seeking exemptions must be able to provide documentary evidence in support of their application.

Students who have had at least two years of full-time recent, relevant and satisfactory teaching experience in an Australian school context may seek partial exemption from the Professional Experience units. Whilst Murdoch recognises that some students may have prior and/or current teaching experience, it requires that a student's classroom competence be assessed before exemptions from Professional Experience can be given.

Students who have been employed as a teacher and have had at least one year of full-time equivalent recent, relevant and satisfactory teaching experience in an Australian school context may seek exemption from BED150 Understanding Teachers' Work.

Students cannot receive exemption from the Professional Internship: Secondary Teaching but those who are currently employed in relevant teaching positions may seek permission to complete one Professional Experience in their school. Students must contact the Murdoch University School of Education Professional Experience Office for advice.

If seeking uncredentialed credit students must submit a case in writing, with supporting documentary evidence to explain how the outcomes of units have already been achieved through prior experience. All applications for exemption and credit must be directed to the Accreditation Officer.

### External Study:

Not all required units in these majors are offered completely externally. Some are offered as intensive sessions on-campus or in Perth metropolitan schools.

External students must undertake their first curriculum-based Professional Experience unit (EDN305) in a Perth metropolitan school. Subject to satisfactory completion of this unit, external students may arrange, in consultation with the Murdoch University School of Education Professional Experience Office, to complete their subsequent Professional Experience in a school other than in metropolitan Perth. Note: BED150 is not included as a first Professional Experience unit for this purpose.

## Course Structure - 120 credit points

It is recommended that students select their units in such a way that they develop two teaching areas. Teaching Area A (aligned to the BA Languages other than English) and Teaching Area B (selected from the other teaching areas offered). Study in the BA for Teaching Area A should be equivalent to five units (15 points) in total, with no more than two units at 100-level (6 points).

### Part I - 24 credit points

#### Year 1 - 24 credit points

**Transition Unit - 3 credit points**

BED100 Ideas in Education - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Breadth Unit for Degree - 6 credit points**

BED150 Understanding Teachers' Work - 3 points  
MURDOCH: S2-internal, S2-external

BAR150 Ideas and Identity - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Core Units - 15 credit points****Education Units - 6 credit points**

EDN111 Language for Learning and Teaching - 3 points  
MURDOCH: S1-internal, S1-external

EDN113 Living and Learning with Technology - 3 points  
MURDOCH: S1-internal, S1-external

**Indonesian Units - 9 credit points**

IND101 Indonesian 1 - 3 points  
MURDOCH: S1-internal, S1-external

IND102 Indonesian 2 - 3 points  
MURDOCH: S2-internal, S2-external

AST102 Asian Centuries - 3 points  
MURDOCH: S1-internal, S1-external

**Part II - 96 credit points****Year 2 - 24 credit points****Research Skills Unit - 3 credit points**

BED200 Assessment and Action Research - 3 points  
MURDOCH: S2-internal, S2-external

**Core Units - 15 credit points****Education Units - 6 credit points**

Part-time and external students should contact the Student Centre when creating their study plan, particularly as it is necessary for concurrent enrolment in the Professional Experience and Secondary Curriculum units.

EDN221 Learning and Teaching - 3 points  
MURDOCH: S1-internal, S1-external

EDN2101 Professional Experience: BEd Secondary Teaching - 3 points  
MURDOCH: ST4-placement

**Indonesian Units - 9 credit points**

IND201 Indonesian 3 - 3 points  
MURDOCH: S1-internal, S1-external

IND202 Indonesian 4 - 3 points  
MURDOCH: S1-internal, S1-external

IND203 Indonesian 5 - 3 points  
MURDOCH: S2-internal, S2-external

**General Electives - 6 credit points**

Select from any 200- to 400-level units offered by the University relevant to Teaching Area A and Teaching Area B, subject to individual unit prerequisites.

Students are advised to use their General Elective Units to develop their Curriculum Minor teaching area.

**Year 3 - 24 credit points****Research Skills Unit - 3 credit points**

BAR200 Developing Research Skills and Methods - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

**Core Units - 18 credit points****Education Units - 9 credit points**

EDN332 Children, Families and Communities - 3 points  
MURDOCH: S2-internal, S2-external

EDN305 Professional Experience: BEd Secondary - 3 points  
Not available this year  
Students are usually to enrol concurrently in this unit with their Teaching Area B unit.

Students must select as a Teaching Area B one of the following units which is different from their Teaching Area A (Languages other than English [Indonesian]) and for which they have, or will have, the prerequisites (minimum of 15 points). At least 9 points must have been completed before enrolment in these units.

EDN371 Drama and the Curriculum A (Secondary 7 - 10) - 3 points  
Not available this year

EDN372 English and the Curriculum A (Secondary 7 - 10) - 3 points  
Not available this year

EDN373 Mathematics and the Curriculum A (Secondary 7 - 10) - 3 points  
Not available this year

EDN376 Science and the Curriculum A (Secondary 7 - 10) - 3 points  
Not available this year

EDN377 Humanities and Social Sciences Curriculum A (Secondary 7 - 10) - 3 points  
Not available this year

Students who do not have enough content background to select one of the above Teaching Area B options must substitute with one of the following units, or take an elective in their non-Education Major. This will not provide a student with a second teaching area.

EDN206 ICT in the Classroom - 3 points  
MURDOCH: S2-external

EDN211 Special Topics in Education: Catholic Studies - Prayer and Morality - 3 points  
MURDOCH: SUM-internal

EDN301 Children's Literature in the Classroom - 4 points  
MURDOCH: S2-internal, S2-external

EDN304 Engaging Communities through Drama - 3 points  
MURDOCH: S2-internal

EDN405 Cultural and Linguistic Diversity in the Classroom - 3 points  
Not available this year

**Indonesian Units - 9 credit points**

IND301 Indonesian 6 - 3 points  
Not available this year

IND302 Indonesian 7 - 3 points  
Not available this year

IND371 Media, Culture and Politics in Indonesia - 3 points  
Not available this year

**Year 4 - 24 credit points****Research Skills Units - 6 credit points**

BED300 Schooling and Society - Research Skills - 3 points  
Not available this year

BAR300 Bachelor of Arts Research Skills Unit - 3 points  
Not available this year

**Core Units - 12 credit points****Education Units - 12 credit points**

EDN353 Country, Cultures, Peoples: Aboriginal and Torres Strait Islander Perspectives Across the Curriculum - 3 points  
MURDOCH: S1-internal, S1-external

EDN446 Adolescent Health and Development - 3 points  
Not available this year

EDN410 Professional Experience: BEd Secondary - 3 points  
Not available this year  
Students should enrol concurrently in this unit with their Teaching Area A unit.

EDN375 Second/Foreign Languages and the Curriculum A (Secondary 7 - 10) - 3 points  
Not available this year

**General Electives - 6 credit points**

Select from any 200- to 400-level units offered by the University relevant to Teaching Area A and Teaching Area B, subject to individual unit prerequisites.

**Year 5 - 24 credit points****Core Units - 24 credit points****Education Units - 24 credit points****Semester 1 - 12 credit points**

EDN465 Professional Experience: Perspectives on Curriculum - 3 points  
Not available this year

EDN358 Creating and Managing Effective Learning Environments - 3 points  
MURDOCH: S1-internal, S1-external

In Year 5 students complete two additional curriculum units that extend the work begun in Years 3 & 4.

Teaching Area A  
EDN475 Second/Foreign Languages and the Curriculum B (Secondary 11 - 12) - 3 points  
Not available this year

Teaching Area B  
Students must select as a continuation of Teaching Area B one of the following units which is different from their Teaching Area A, for which they have the prerequisites (minimum of 15 points) and which continues their 300-level unit in the area (3 points).

EDN471 Drama and the Curriculum B (Secondary 11 - 12) - 3 points  
Not available this year

EDN472 English and the Curriculum B (Secondary 11 - 12) - 3 points  
Not available this year

EDN473 Mathematics and the Curriculum B (Secondary 11 - 12) - 3 points  
Not available this year

EDN476 Science and the Curriculum B (Secondary 11 - 12) - 3 points  
Not available this year

EDN477 Humanities and Social Sciences Curriculum B (Secondary 11 - 12) - 3 points  
Not available this year

**Semester 2 - 12 credit points**

Note that enrolment in EDN4303 Professional Internship: Preliminary Secondary Teaching and EDN4301 Professional Internship: Secondary Teaching require that 40 days be spent in schools, so enrolling in other units is not possible.

EDN449 Inclusive Education - 3 points  
Not available this year

EDN4303 Professional Internship: Preliminary Secondary Teaching - 3 points  
Not available this year

EDN4301 Professional Internship: Secondary Teaching - 6 points  
Not available this year

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## **SECONDARY TEACHING (ARTS COMBINED LANGUAGES OTHER THAN ENGLISH (JAPANESE)) (BED+BA)**

School of Education

Bachelor of Education (BEd) in Secondary Education + Bachelor of Arts (BA) in Japanese

Course Codes: B1328

Duration: 5 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external) (except for one school experience, depending on teaching area selected and on campus components of some units)

Secondary Teacher Education graduates are qualified to teach one or more learning areas at the secondary school level. For Secondary Teacher Education students the Bachelor degree studied concurrently with the Bachelor of Education should be relevant to one of the following learning areas in secondary schools:

Drama  
English  
History  
Languages other than English (LOTE): Japanese  
Languages other than English (LOTE): Indonesian  
Mathematics  
Selected science degrees  
Sport and Health Science.

Advice about Murdoch majors suitable for each of these learning areas may be obtained from the Academic Student Advisor (BEd Secondary).

Professional Experience: There are 80 days of supervised teaching practice in this course.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

Students demonstrating English competence via IELTS need an overall score of 7.0 with no individual band less than 7.0

**Special Requirements:**

The WA Department of Education and cooperating non-government schools have the right to determine 'fit and proper persons' to enter and practice in schools. This means all students must obtain two criminal history checks.

The first is a current WA Department of Education Criminal Record check. The second is a Working with Children Check. Under the Working with Children (Criminal Record Checking) Act 2004 compulsory criminal record checks are required for people working with children.

The appropriate application forms are available from the Murdoch University School of Education Professional Experience office. The form for the first check is also available from the office's website and the WA Department of Education website. Federal and State police clearances obtained through police stations are not acceptable. Students should refer to the Study at Murdoch section of this Handbook for further details on this important matter.

It is important to understand that these two checks are mandatory and students are not permitted to enter schools without obtaining them.

For students with English as a second language the Teachers Registration Board of Western Australia requires an IELTS of 8 across all areas on graduation.

#### **Employment Prospects:**

A recent survey of all Murdoch teacher education graduates for the past decade showed that almost all were employed in teaching within a year of graduating. Murdoch graduates are employed in government and non-government schools and other education-related occupations.

#### **Professional Recognition:**

On completion of the Bachelor of Education, students have a widely accepted qualification from a recognised university and are eligible for graduate studies or employment in government and independent schools.

#### **Excluded Majors:**

Primary, 1-10 Health and Physical Education

#### **Main Research Areas:**

Education, teaching, curriculum

#### **Exemptions/Credit and Professional Experience:**

Students seeking exemptions must be able to provide documentary evidence in support of their application.

Students who have had at least two years of full-time recent relevant and satisfactory teaching experience in an Australian school context may seek partial exemption from the Professional Experience unit/s. Whilst Murdoch recognises that some students may have prior and/or current teaching experience, it requires that a student's classroom competence be assessed before exemptions from Professional Experience can be given.

Students who have been employed as a teacher and have had at least one year of full-time equivalent recent, relevant and satisfactory teaching experience in an Australian school context may seek exemption from BED150 Understanding Teachers' Work.

Students cannot receive exemption from the Professional Internship: Secondary Teaching but those who are currently employed in relevant teaching positions may seek permission to complete one Professional Experience in their school. Students must contact the Murdoch University School of Education Professional Experience Office for advice.

If seeking uncredentialed credit students must submit a case in writing, with supporting documentary evidence to explain how the outcomes of units have already been achieved through prior experience. All applications for exemption and credit must be directed to the Accreditation Officer.

#### **External Study:**

Not all required units in these majors are offered completely externally. Some are offered as intensive sessions on-campus or in Perth metropolitan schools.

External students must undertake their first curriculum-based Professional Experience unit (EDN305) in a Perth metropolitan school. Subject to satisfactory completion of this unit, external students may arrange, in consultation with the Murdoch University School of Education Professional Experience Office, to complete their subsequent Professional Experience in a school other than in metropolitan Perth. Note: BED150 is not included as a first Professional Experience unit for this purpose.

### **Course Structure - 120 credit points**

It is recommended that students select their units in such a way that they develop two teaching areas. Teaching Area A (aligned to the BA Languages other than English) and Teaching Area B (selected from the other teaching areas offered). Study in the BA for Teaching Area A should be equivalent to five units (15 points) in total, with no more than two units at 100-level (6 points).

### **Part I - 24 credit points**

#### **Year 1 - 24 credit points**

##### **Transition Unit - 3 credit points**

BED100 Ideas in Education - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### **Breadth Unit for Degree - 6 credit points**

BED150 Understanding Teachers' Work - 3 points  
MURDOCH: S2-internal, S2-external

BAR150 Ideas and Identity - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

#### **Core Units - 15 credit points**

##### **Education Units - 6 credit points**

EDN111 Language for Learning and Teaching - 3 points  
MURDOCH: S1-internal, S1-external

EDN113 Living and Learning with Technology - 3 points  
MURDOCH: S1-internal, S1-external

##### **Japanese Units - 9 credit points**

JPN101 Japanese 1 - 3 points  
MURDOCH: S1-internal

JPN102 Japanese 2 - 3 points  
MURDOCH: S2-internal

AST102 Asian Centuries - 3 points  
MURDOCH: S1-internal, S1-external

### **Part II - 96 credit points**

#### **Year 2 - 24 credit points**

##### **Research Skills Unit - 3 credit points**

BED200 Assessment and Action Research - 3 points  
MURDOCH: S2-internal, S2-external

#### **Core Units - 15 credit points**

##### **Education Units - 6 credit points**

Part-time and external students should contact the Student Centre when creating their study plan, particularly as it is necessary for concurrent enrolment in the Professional Experience and Secondary Curriculum units.

EDN221 Learning and Teaching - 3 points  
MURDOCH: S1-internal, S1-external

EDN2101 Professional Experience: BEd Secondary Teaching - 3 points  
MURDOCH: ST4-placement

##### **Japanese Units - 9 credit points**

JPN201 Japanese 3 - 3 points  
MURDOCH: S1-internal

JPN202 Japanese 4 - 3 points  
MURDOCH: S1-internal

JPN203 Japanese 5 - 3 points  
MURDOCH: S2-internal

#### **General Electives - 6 credit points**

Select from any 200- to 400-level units offered by the University relevant to Teaching Area A and Teaching Area B, subject to individual unit prerequisites.

Students are advised to use their General Elective Units to develop their Curriculum Minor teaching area.

### Year 3 - 24 credit points

#### Research Skills Unit - 3 credit points

##### Arts Unit - 3 credit points

BAR200 Developing Research Skills and Methods - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

#### Breadth Unit University-Wide - 3 credit points

Select one 200-level University Breadth Unit.

#### Core Units - 18 credit points

##### Education Units - 9 credit points

EDN332 Children, Families and Communities - 3 points  
MURDOCH: S2-internal, S2-external

EDN305 Professional Experience: BEd Secondary - 3 points  
Not available this year

Students are usually to enrol concurrently in this unit with their Teaching Area B unit.

Students must select as a Teaching Area B one of the following units which is different from their Teaching Area A (Languages other than English [Japanese]) and for which they have, or will have, the prerequisites (minimum of 15 points). At least 9 points must have been completed before enrolment in these units.

EDN371 Drama and the Curriculum A (Secondary 7 - 10) - 3 points  
Not available this year

EDN372 English and the Curriculum A (Secondary 7 - 10) - 3 points  
Not available this year

EDN373 Mathematics and the Curriculum A (Secondary 7 - 10) - 3 points  
Not available this year

EDN376 Science and the Curriculum A (Secondary 7 - 10) - 3 points  
Not available this year

EDN377 Humanities and Social Sciences Curriculum A (Secondary 7 - 10) - 3 points  
Not available this year

Students who do not have enough content background to select one of the above Teaching Area B options must substitute with one of the following units, or take an elective in their non-Education Major. This will not provide a student with a second teaching area.

EDN206 ICT in the Classroom - 3 points  
MURDOCH: S2-external

EDN211 Special Topics in Education: Catholic Studies - Prayer and Morality - 3 points  
MURDOCH: SUM-internal

EDN301 Children's Literature in the Classroom - 4 points  
MURDOCH: S2-internal, S2-external

EDN304 Engaging Communities through Drama - 3 points  
MURDOCH: S2-internal

EDN405 Cultural and Linguistic Diversity in the Classroom - 3 points  
Not available this year

#### Japanese Units - 9 credit points

JPN301 Japanese 6 - 3 points  
Not available this year

JPN302 Japanese 7 - 3 points  
Not available this year

JPN303 Japanese 8 - 3 points  
Not available this year

### Year 4 - 24 credit points

#### Research Skills Units - 6 credit points

BED300 Schooling and Society - Research Skills - 3 points  
Not available this year

BAR300 Bachelor of Arts Research Skills Unit - 3 points  
Not available this year

#### Core Units - 12 credit points

##### Education Units - 12 credit points

EDN353 Country, Cultures, Peoples: Aboriginal and Torres Strait Islander Perspectives Across the Curriculum - 3 points  
MURDOCH: S1-internal, S1-external

EDN446 Adolescent Health and Development - 3 points  
Not available this year

EDN410 Professional Experience: BEd Secondary - 3 points  
Not available this year  
Students should enrol concurrently in this unit with their Teaching Area A unit.

EDN375 Second/Foreign Languages and the Curriculum A (Secondary 7 - 10) - 3 points  
Not available this year

#### General Electives - 6 credit points

Select from any 200- to 400-level units offered by the University relevant to Teaching Area A and Teaching Area B, subject to individual unit prerequisites.

### Year 5 - 24 credit points

#### Core Units - 24 credit points

##### Education Units - 24 credit points

##### Semester 1 - 12 credit points

EDN465 Professional Experience: Perspectives on Curriculum - 3 points  
Not available this year

EDN358 Creating and Managing Effective Learning Environments - 3 points  
MURDOCH: S1-internal, S1-external

In Year 5 students complete two additional curriculum units that extend the work begun in Years 3 and 4.

##### Teaching Area A

EDN475 Second/Foreign Languages and the Curriculum B (Secondary 11 - 12) - 3 points  
Not available this year

##### Teaching Area B

Students must select as a continuation of their Teaching Area B one of the following units which is different from their Teaching Area A, for which they have the prerequisites (minimum of 15 points), and which continues their 300-level unit in the area.

EDN471 Drama and the Curriculum B (Secondary 11 - 12) - 3 points  
Not available this year

EDN472 English and the Curriculum B (Secondary 11 - 12) - 3 points  
Not available this year

EDN473 Mathematics and the Curriculum B (Secondary 11 - 12) - 3 points  
Not available this year

EDN476 Science and the Curriculum B (Secondary 11 - 12) - 3 points  
Not available this year

EDN477 Humanities and Social Sciences Curriculum B (Secondary 11 - 12) - 3 points  
Not available this year

### Semester 2 - 12 credit points

Note that enrolment in EDN4303 Professional Internship: Preliminary Secondary Teaching and EDN4301 Professional Internship: Secondary Teaching require that 40 days be spent in schools, so enrolling in other units is not possible.

EDN449 Inclusive Education - 3 points  
Not available this year

EDN4303 Professional Internship: Preliminary Secondary Teaching - 3 points  
Not available this year

EDN4301 Professional Internship: Secondary Teaching - 6 points  
Not available this year

## SECONDARY TEACHING (COMBINED SCIENCE DEGREES) (BED+BSC)

School of Education

Bachelor of Education (BEd) in Secondary Education + Bachelor of Science (BSc)

Course Codes: B1329

Duration: 5 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)
- Murdoch campus (external) (except for one school experience, depending on teaching area selected and on campus components of some units)

Secondary Teacher Education graduates are qualified to teach one or more learning areas at the secondary school level. For Secondary Teacher Education students the Bachelor degree studied concurrently with the Bachelor of Education should be relevant to one of the following learning areas in secondary schools:

Drama

English

History

Languages other than English (LOTE): Japanese

Languages other than English (LOTE): Indonesian

Mathematics

Selected science degrees

Sport and Health Science.

Advice about Murdoch majors suitable for each of these learning areas may be obtained from the Academic Student Advisor (BEd Secondary).

Professional Experience: There are 80 days of supervised teaching practice in this course.

### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

Students demonstrating English competence via IELTS need an overall score of 7.0 with no individual band less than 7.0

### Special Requirements:

The WA Department of Education and cooperating non-government schools have the right to determine 'fit and proper persons' to enter and practice in schools. This means all students must obtain two criminal history checks.

The first is a current WA Department of Education Criminal Record check. The second is a Working with Children Check. Under the Working with Children (Criminal Record Checking) Act 2004 compulsory criminal record checks are required for people working with children.

The appropriate application forms are available from the Murdoch University School of Education Professional Experience office. The form for the first check is also available from the office's website and the WA Department of Education website. Federal and State police clearances obtained through police stations are not acceptable. Students should refer to the Study at Murdoch section of this Handbook for further details on this important matter.

It is important to understand that these two checks are mandatory and students are not permitted to enter schools without obtaining them.

For students with English as a second language the Teachers Registration Board of Western Australian requires an IELTS of 8 across all areas on graduation.

### Employment Prospects:

A recent survey of all Murdoch teacher education graduates for the past decade showed that almost all were employed in teaching within a year of graduating. Murdoch graduates are employed in government and non-government schools and other education-related occupations.

### Professional Recognition:

On completion of the Bachelor of Education, students have a widely accepted qualification from a recognised university and are eligible for graduate studies or employment in government and independent schools.

### Excluded Majors:

Primary, 1-10 Health and Physical Education

### Main Research Areas:

Education, teaching, curriculum

### Exemptions/Credit and Professional Experience:

Students seeking exemptions must be able to provide documentary evidence in support of their application.

Students who have had at least two years of full-time recent, relevant and satisfactory teaching experience in an Australian school context may seek partial exemption from the Professional Experience units. Whilst Murdoch recognises that some students may have prior and/or current teaching experience, it requires that a student's classroom competence be assessed before exemptions from Professional Experience can be given.

Students who have been employed as a teacher and have had at least one year of full-time equivalent recent, relevant and satisfactory teaching experience in an Australian school context may seek exemption from BED150 Understanding Teachers' Work.

Students cannot receive exemption from the Professional Internship: Secondary Teaching but those who are currently employed in relevant teaching positions may seek permission to complete one Professional Experience in their school. Students must contact the Murdoch University School of Education Professional Experience Office for advice.

If seeking uncredentialed credit students must submit a case in writing, with supporting documentary evidence to explain how the outcomes of units have already been achieved through prior experience. All applications for exemption and credit must be directed to the Accreditation Officer.

### External Study:

Not all required units in these majors are offered completely externally. Some are offered as intensive sessions on-campus or in Perth metropolitan schools.

External students must undertake their first curriculum-based Professional Experience unit EDN305 in a Perth metropolitan

school. Subject to satisfactory completion of this unit, students may arrange, in consultation with the Murdoch University School of Education Professional Experience Office, to complete their subsequent Professional Experience in a school other than in metropolitan Perth. Note: BED150 is not included as a first Professional Experience unit for this purpose.

### Course Structure - 120 credit points

It is recommended that students select their units in such a way that they develop a minor teaching area (Curriculum Minor) in addition to their major teaching area (Curriculum Major). Study undertaken for a Curriculum Minor should be equivalent to four units (12 points) in total, with no more than two units at 100-level (6 points).

Choose one of the following Science majors for the Curriculum

Major teaching area:

Biological Sciences

Biomedical Science

Chemistry

Environmental Science

Forensic Biology and Toxicology

Marine Science

Mineral Science

Molecular Biology

Physics and Nanotechnology

### Part I - 24 credit points

#### Year 1 - 24 credit points

##### Transition Unit - 3 credit points

BED100 Ideas in Education - 3 points

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### Breadth Unit for Degree - 6 credit points

BED150 Understanding Teachers' Work - 3 points

MURDOCH: S2-internal, S2-external

BSC150 What is Science? - 3 points

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### Core Units - 15 credit points

###### Education Units - 6 credit points

EDN111 Language for Learning and Teaching - 3 points

MURDOCH: S1-internal, S1-external

EDN113 Living and Learning with Technology - 3 points

MURDOCH: S1-internal, S1-external

###### Science Units - 9 credit points

Select 100-level Core Units from the chosen Science major.

### Part II - 96 credit points

#### Year 2 - 24 credit points

##### Research Skills Unit - 3 credit points

BED200 Assessment and Action Research - 3 points

MURDOCH: S2-internal, S2-external

##### Core Units - 15 credit points

###### Education Units - 6 credit points

Part-time and external students should contact the Student Centre when creating their study plan, particularly as it is necessary for concurrent enrolment in the Professional Experience and Secondary Curriculum units.

EDN221 Learning and Teaching - 3 points

MURDOCH: S1-internal, S1-external

EDN2101 Professional Experience: BEd Secondary Teaching - 3 points

MURDOCH: ST4-placement

### Science Units - 9 credit points

Select 200-level Core Units from the chosen Science major.

### General Electives - 6 credit points

Select from any 200- to 400-level units offered by the University relevant to Teaching Area A and Teaching Area B, subject to individual unit prerequisites.

Students are advised to use their General Elective Units to develop their Teaching Area B.

### Year 3 - 24 credit points

#### Research Skills Unit - 3 credit points

BSC200 Research in the Physical and Life Sciences - 3 points

MURDOCH: S1-internal, S1-external

#### Breadth Unit University-Wide - 3 credit points

Select one 200-level University Breadth Unit.

### Core Units - 15 credit points

#### Education Units - 6 credit points

EDN305 Professional Experience: BEd Secondary - 3 points

Not available this year

Students should enrol concurrently in this unit with their Teaching Area B unit.

Students must select as a Teaching Area B one of the following units which is different from their Teaching Area A and for which they have, or will have, the prerequisites (minimum of 15 points). At least 9 points must have been completed before enrolment in these units.

EDN371 Drama and the Curriculum A (Secondary 7 - 10) - 3 points

Not available this year

EDN372 English and the Curriculum A (Secondary 7 - 10) - 3 points

Not available this year

EDN373 Mathematics and the Curriculum A (Secondary 7 - 10) - 3 points

Not available this year

EDN375 Second/Foreign Languages and the Curriculum A (Secondary 7 - 10) - 3 points

Not available this year

EDN376 Science and the Curriculum A (Secondary 7 - 10) - 3 points

Not available this year

EDN377 Humanities and Social Sciences Curriculum A (Secondary 7 - 10) - 3 points

Not available this year

Students who do not have enough content background to select one of the above Teaching Area B options must substitute with one of the following units, or take an elective in their non-Education Major. This will not provide a student with a second teaching area.

EDN206 ICT in the Classroom - 3 points

MURDOCH: S2-external

EDN211 Special Topics in Education: Catholic Studies - Prayer and Morality - 3 points

MURDOCH: SUM-internal

EDN301 Children's Literature in the Classroom - 4 points

MURDOCH: S2-internal, S2-external

EDN304 Engaging Communities through Drama - 3 points

MURDOCH: S2-internal

EDN405 Cultural and Linguistic Diversity in the Classroom - 3



points  
Not available this year

### Science Units - 9 credit points

Select 300-level Core Units from the chosen Science major.

### General Electives - 3 credit points

Select from any 200- to 400-level units offered by the University relevant to Teaching Area A and Teaching Area B, subject to individual unit prerequisites.

### Year 4 - 24 credit points

#### Research Skills Units - 6 credit points

BED300 Schooling and Society - Research Skills - 3 points  
Not available this year

BSC300 Bachelor of Science Research Skills Unit - 3 points  
Not available this year

#### Core Units - 15 credit points

##### Education Units - 15 credit points

EDN353 Country, Cultures, Peoples: Aboriginal and Torres Strait Islander Perspectives Across the Curriculum - 3 points  
MURDOCH: S1-internal, S1-external

EDN332 Children, Families and Communities - 3 points  
MURDOCH: S2-internal, S2-external

EDN446 Adolescent Health and Development - 3 points  
Not available this year

EDN410 Professional Experience: BEd Secondary - 3 points  
Not available this year  
Students should enrol concurrently in this unit with their Teaching Area A unit.

EDN376 Science and the Curriculum A (Secondary 7 - 10) - 3 points  
Not available this year

#### General Electives - 3 credit points

Select from any 200- to 400-level units offered by the University relevant to Teaching Area A and Teaching Area B, subject to individual unit prerequisites.

### Year 5 - 24 credit points

#### Core Units - 24 credit points

##### Education Units - 24 credit points

#### Semester 1 - 12 credit points

EDN465 Professional Experience: Perspectives on Curriculum - 3 points  
Not available this year

EDN358 Creating and Managing Effective Learning Environments - 3 points  
MURDOCH: S1-internal, S1-external

In Year 5 students complete two additional curriculum units that extend the work begun in Years 3 and 4.

Teaching Area A  
EDN476 Science and the Curriculum B (Secondary 11 - 12) - 3 points  
Not available this year

Teaching Area B  
Students must select as a continuation of Teaching Area B one of the following units which is different from their Teaching Area A, for which they have the prerequisites (minimum of 15 points) and which continues their 300-level unit in the area (3 points).

EDN471 Drama and the Curriculum B (Secondary 11 - 12) - 3 points  
Not available this year

EDN472 English and the Curriculum B (Secondary 11 - 12) - 3 points  
Not available this year

EDN473 Mathematics and the Curriculum B (Secondary 11 - 12) - 3 points  
Not available this year

EDN477 Humanities and Social Sciences Curriculum B (Secondary 11 - 12) - 3 points  
Not available this year

#### Semester 2 - 12 credit points

Note that enrolment in EDN4303 Professional Internship: Preliminary Secondary Teaching

and EDN4301 Professional Internship: Secondary Teaching require that 40 days be spent in schools, so enrolling in other units is not possible.

EDN449 Inclusive Education - 3 points  
Not available this year

EDN4303 Professional Internship: Preliminary Secondary Teaching - 3 points  
Not available this year

EDN4301 Professional Internship: Secondary Teaching - 6 points  
Not available this year

## SECONDARY TEACHING (SCIENCE COMBINED MATHEMATICS) (BED+BSC)

School of Education

*Bachelor of Education (BEd) in Secondary Education + Bachelor of Science (BSc) in Mathematics and Statistics*

Course Codes: B1329

Duration: 5 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Murdoch campus (external) (except for one school experience, depending on teaching area selected and on campus components of some units)

Secondary Teacher Education graduates are qualified to teach one or more learning areas at the secondary school level. For Secondary Teacher Education students the Bachelor degree studied concurrently with the Bachelor of Education should be relevant to one of the following learning areas in secondary schools:

Drama  
English  
History  
Languages other than English (LOTE): Japanese  
Languages other than English (LOTE): Indonesian  
Mathematics  
Selected science degrees  
Sport and Health Science.

Advice about Murdoch majors suitable for each of these learning areas may be obtained from the Academic Student Advisor (BEd Secondary).

Professional Experience: There are 80 days of supervised teaching practice in this course.

#### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

Students demonstrating English competence via IELTS need an overall score of 7.0 with no individual band less than 7.0

#### Special Requirements:

The WA Department of Education and cooperating non-government schools have the right to determine 'fit and proper persons' to

enter and practice in schools. This means all students must obtain two criminal history checks.

The first is a current WA Department of Education Criminal Record check. The second is a Working with Children Check. Under the Working with Children (Criminal Record Checking) Act 2004 compulsory criminal record checks are required for people working with children.

The appropriate application forms are available from the Murdoch University School of Education Professional Experience office. The form for the first check is also available from the office's website and the WA Department of Education website. Federal and State police clearances obtained through police stations are not acceptable. Students should refer to the Study at Murdoch section of this Handbook for further details on this important matter.

It is important to understand that these two checks are mandatory and students are not permitted to enter schools without obtaining them.

For students with English as a second language the Teachers Registration Board of Western Australian requires an IELTS of 8 across all areas on graduation.

#### **Employment Prospects:**

A recent survey of all Murdoch teacher education graduates for the past decade showed that almost all were employed in teaching within a year of graduating. Murdoch graduates are employed in government and non-government schools and other education-related occupations.

#### **Professional Recognition:**

On completion of the Bachelor of Education, students have a widely accepted qualification from a recognised university and are eligible for graduate studies or employment in government and independent schools.

#### **Excluded Majors:**

Primary, 1-10 Health and Physical Education

#### **Main Research Areas:**

Education, teaching, curriculum

#### **Exemptions/Credit and Professional Experience:**

Students seeking exemptions must be able to provide documentary evidence in support of their application.

Students who have had at least two years of full-time recent relevant and satisfactory teaching experience in an Australian school context may seek partial exemption from the Professional Experience unit/s. Whilst Murdoch recognises that some students may have prior and/or current teaching experience, it requires that a student's classroom competence be assessed before exemptions from Professional Experience can be given.

Students who have been employed as a teacher and have had at least one year of full-time equivalent recent, relevant and satisfactory teaching experience in an Australian school context may seek exemption from BED150 Understanding Teachers' Work.

Students cannot receive exemption from the Professional Internship: Secondary Teaching but those who are currently employed in relevant teaching positions may seek permission to complete one Professional Experience in their school. Students must contact the Murdoch University School of Education Professional Experience Office for advice.

If seeking uncredentialed credit students must submit a case in writing, with supporting documentary evidence to explain how the outcomes of units have already been achieved through prior experience. All applications for exemption and credit must be directed to the Accreditation Officer.

#### **External Study:**

Not all required units in these majors are offered completely externally. Some are offered as intensive sessions on-campus or in Perth metropolitan schools.

External students must undertake their first curriculum-based Professional Experience unit EDN305 in a Perth metropolitan school. Subject to satisfactory completion of this unit, external students may arrange, in consultation with the Murdoch University School of Education Professional Experience Office, to complete their subsequent Professional Experience in a school other than in metropolitan Perth. Note: BED150 is not included as a first Professional Experience unit for this purpose.

### **Course Structure - 120 credit points**

It is recommended that students select their units in such a way that they develop a minor teaching area (Curriculum Minor) in addition to their major teaching area (Curriculum Major). Study undertaken for a Curriculum Minor should be equivalent to four units (12 points) in total, with no more than two units at first-year level (6 points).

#### **Part I - 24 credit points**

##### **Year 1 - 24 credit points**

##### **Transition Unit - 3 credit points**

BED100 Ideas in Education - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### **Breadth Unit for Degree - 6 credit points**

BED150 Understanding Teachers' Work - 3 points  
MURDOCH: S2-internal, S2-external

BSC150 What is Science? - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### **Core Units - 15 credit points**

##### **Education Units - 6 credit points**

EDN111 Language for Learning and Teaching - 3 points  
MURDOCH: S1-internal, S1-external

EDN113 Living and Learning with Technology - 3 points  
MURDOCH: S1-internal, S1-external

##### **Mathematics Units - 9 credit points**

MAS162 Foundations of Discrete Mathematics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MAS161 Calculus and Matrix Algebra - 3 points  
MURDOCH: S2-internal, S2-external

MAS183 Statistical Data Analysis - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

#### **Part II - 96 credit points**

##### **Year 2 - 24 credit points**

##### **Research Skills Unit - 3 credit points**

BED200 Assessment and Action Research - 3 points  
MURDOCH: S2-internal, S2-external

##### **Core Units - 15 credit points**

##### **Education Units - 6 credit points**

Part-time and external students should contact the Student Centre when creating their study plan, particularly as it is necessary for concurrent enrolment in the Professional Experience and Secondary Curriculum units.

EDN221 Learning and Teaching - 3 points  
MURDOCH: S1-internal, S1-external

EDN2101 Professional Experience: BEd Secondary Teaching - 3 points

MURDOCH: ST4-placement

### **Mathematics Units - 9 credit points**

Select from the following units, paying regard to planned 300-level unit choices.

MAS221 Mathematical Modelling - 3 points  
MURDOCH: S2-internal, S2-external

MAS220 Mathematical Methods - 3 points  
MURDOCH: S1-internal, S1-external

MAS222 Probability and Statistical Inference - 3 points  
MURDOCH: S1-internal, S1-external

Either

MAS224 Biostatistical Methods - 3 points  
MURDOCH: S2-internal, S2-external

OR

MAS223 Applied Statistics - 3 points  
MURDOCH: S1-internal, S1-external

### **General Electives - 6 credit points**

Select from any 200- to 400-level units offered by the University relevant to Teaching Area A and Teaching Area B, subject to individual unit prerequisites.

Students are advised to use their General Elective Units to develop their Teaching Area B.

### **Year 3 - 24 credit points**

#### **Research Skills Unit - 3 credit points**

BSC200 Research in the Physical and Life Sciences - 3 points  
MURDOCH: S1-internal, S1-external

#### **Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

### **Core Units - 15 credit points**

#### **Education Units - 6 credit points**

EDN305 Professional Experience: BEd Secondary - 3 points  
Not available this year  
Students should enrol concurrently in this unit with their Teaching Area B unit.

Students must select as a Teaching Area B one of the following units which is different from their Teaching Area A and for which they have, or will have, the prerequisites (minimum of 15 points). At least 9 points must have been completed before enrolment in these units.

EDN371 Drama and the Curriculum A (Secondary 7 - 10) - 3 points  
Not available this year

EDN372 English and the Curriculum A (Secondary 7 - 10) - 3 points  
Not available this year

EDN375 Second/Foreign Languages and the Curriculum A (Secondary 7 - 10) - 3 points  
Not available this year

EDN376 Science and the Curriculum A (Secondary 7 - 10) - 3 points  
Not available this year

EDN377 Humanities and Social Sciences Curriculum A (Secondary 7 - 10) - 3 points  
Not available this year

Students who do not have enough content background to select one of the above Teaching Area B options must substitute with

one of the following units, or take an elective in their non-Education Major. This will not provide a student with a second teaching area.

EDN206 ICT in the Classroom - 3 points  
MURDOCH: S2-external

EDN211 Special Topics in Education: Catholic Studies - Prayer and Morality - 3 points  
MURDOCH: SUM-internal

EDN301 Children's Literature in the Classroom - 4 points  
MURDOCH: S2-internal, S2-external

EDN304 Engaging Communities through Drama - 3 points  
MURDOCH: S2-internal

EDN405 Cultural and Linguistic Diversity in the Classroom - 3 points  
Not available this year

### **Mathematics Units - 9 credit points**

Select from the following:

MAS351 Environmental and Biological Modelling - 3 points  
Not available this year

MAS352 Time Series and Multivariate Analysis - 3 points  
Not available this year

MAS353 Statistical Design and Data Analysis - 3 points  
Not available this year

MAS354 Modelling and Simulation - 3 points  
Not available this year

### **General Electives - 3 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to use their General Elective Units to develop their Curriculum Minor teaching area.

### **Year 4 - 24 credit points**

#### **Research Skills Units - 6 credit points**

BED300 Schooling and Society - Research Skills - 3 points  
Not available this year

BSC300 Bachelor of Science Research Skills Unit - 3 points  
Not available this year

### **Core Units - 15 credit points**

#### **Education Units - 15 credit points**

EDN353 Country, Cultures, Peoples: Aboriginal and Torres Strait Islander Perspectives Across the Curriculum - 3 points  
MURDOCH: S1-internal, S1-external

EDN332 Children, Families and Communities - 3 points  
MURDOCH: S2-internal, S2-external

EDN446 Adolescent Health and Development - 3 points  
Not available this year

EDN410 Professional Experience: BEd Secondary - 3 points  
Not available this year  
Students should enrol concurrently in this unit with their Teaching Area A unit.

EDN373 Mathematics and the Curriculum A (Secondary 7 - 10) - 3 points  
Not available this year

### **General Electives - 3 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

### **Year 5 - 24 credit points**

**Core Units - 24 credit points****Education Units - 24 credit points****Semester 1 - 12 credit points**

EDN465 Professional Experience: Perspectives on Curriculum - 3 points  
Not available this year

EDN358 Creating and Managing Effective Learning Environments - 3 points  
MURDOCH: S1-internal, S1-external

In Year 5 students complete two additional curriculum units that extend the work begun in Years 3 and 4.

Teaching Area A  
EDN473 Mathematics and the Curriculum B (Secondary 11 - 12) - 3 points  
Not available this year

Teaching Area B  
Students must select as a continuation of Teaching Area B one of the following units which is different from their Teaching Area A, for which they have the prerequisites (minimum of 15 points) and which continues their 300-level unit in the area (3 points).

EDN471 Drama and the Curriculum B (Secondary 11 - 12) - 3 points  
Not available this year

EDN472 English and the Curriculum B (Secondary 11 - 12) - 3 points  
Not available this year

EDN475 Second/Foreign Languages and the Curriculum B (Secondary 11 - 12) - 3 points  
Not available this year

EDN476 Science and the Curriculum B (Secondary 11 - 12) - 3 points  
Not available this year

EDN477 Humanities and Social Sciences Curriculum B (Secondary 11 - 12) - 3 points  
Not available this year

**Semester 2 - 12 credit points**

Note that enrolment in EDN4303 Professional Internship: Preliminary Secondary Teaching and EDN4301 Professional Internship: Secondary Teaching require that 40 days be spent in schools, so enrolling in other units is not possible.

EDN449 Inclusive Education - 3 points  
Not available this year

EDN4303 Professional Internship: Preliminary Secondary Teaching - 3 points  
Not available this year

EDN4301 Professional Internship: Secondary Teaching - 6 points  
Not available this year

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## **SECONDARY TEACHING (SCIENCE COMBINED SPORT AND HEALTH SCIENCE) (BED+BSC)**

School of Education

*Bachelor of Education (BEd) in Secondary Education + Bachelor of Science (BSc) in Sport and Health Science*

Course Codes: B1329

Duration: 5 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Some units only: Murdoch campus (external)

Bachelor of Education (BEd) in Secondary Teaching + Bachelor of Science (BSc) in Sport and Health Science graduates are qualified to teach Health and Physical Education.

Further advice about these learning areas may be obtained from the Academic Chair BEd Secondary (HPE).

Professional Experience: There are 90 days of moderated teaching practice in this course.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

Students demonstrating English competence via IELTS need an overall score of 7.0 with no individual band less than 7.0

**Special Requirements:**

The WA Department of Education and cooperating non-government schools have the right to determine 'fit and proper persons' to enter and practice in schools. This means all students must obtain two current mandatory checks.

The first is a current Department of Education National Police History Check and the second a current WA Working with Children Check. Under the Working with Children (Criminal Record Checking) Act 2004 compulsory criminal record checks are required for people working with children.

Refer to the School of Education Professional Experience website for details:

<http://www.murdoch.edu.au/School-of-Education/Professional-Experience/Checks-and-clearances/>

The form for the first check is also available from the WA Department of Education website. Federal and State police clearances obtained through police stations are not acceptable. Students should refer to the Study at Murdoch section of this Handbook for further details on this important matter.

It is important to understand that these two checks are mandatory and students are not permitted to enter schools without obtaining them.

For students with English as a second language the Teachers Registration Board of Western Australian requires an IELTS of 8 across all areas on graduation.

**Employment Prospects:**

A recent survey of all Murdoch teacher education graduates for the past decade showed that almost all were employed in teaching within a year of graduating. Murdoch graduates are employed in government and non-government schools and other education-related occupations.

**Professional Recognition:**

On completion of the Bachelor of Education, students have a widely accepted qualification from a recognised university and are eligible for graduate studies or employment in government and independent schools.

**Excluded Majors:**

Primary, 1-10 Health and Physical Education

**Main Research Areas:**

Education, teaching, curriculum

**Exemptions/Credit and Professional Experience:**

Students seeking exemptions must be able to provide documentary evidence in support of their application.

Students who have had at least two years of full-time recent relevant and satisfactory teaching experience in an Australian school context may seek partial exemption from the Professional Experience unit/s. Whilst Murdoch recognises that some students

may have prior and/or current teaching experience, it requires that a student's classroom competence be assessed before exemptions from Professional Experience can be given.

Students who have been employed as a teacher and have had at least one year of full-time equivalent recent, relevant and satisfactory teaching experience in an Australian school context may seek exemption from BED150 Understanding Teachers' Work.

Students cannot receive exemption from the Professional Internship: Secondary Teaching but those who are currently employed in relevant teaching positions may seek permission to complete one Professional Experience in their school. Students must contact the Murdoch University School of Education Professional Experience Office for advice.

If seeking uncredentialed credit students must submit a case in writing, with supporting documentary evidence to explain how the outcomes of units have already been achieved through prior experience. All applications for exemption and credit must be directed to the Accreditation Officer.

#### **External Study:**

Not all required units in these majors are offered completely externally. Some are offered as intensive sessions on-campus or in Perth metropolitan schools.

External students must undertake their first curriculum-based Professional Experience unit EDN305 in a Perth metropolitan school. Subject to satisfactory completion of this unit, external students may arrange, in consultation with the Murdoch University School of Education Professional Experience Office, to complete their subsequent Professional Experience in a school other than in metropolitan Perth. Note: BED150 is not included as a first Professional Experience unit for this purpose.

## **Course Structure - 120 credit points**

### **Part I - 24 credit points**

#### **Year 1 - 24 credit points**

##### **Transition Unit - 3 credit points**

BED100 Ideas in Education - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### **Breadth Unit for Degree - 6 credit points**

BED150 Understanding Teachers' Work - 3 points  
MURDOCH: S2-internal, S2-external

BSC150 What is Science? - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

#### **Core Units - 15 credit points**

##### **Education Units - 9 credit points**

EDN111 Language for Learning and Teaching - 3 points  
MURDOCH: S1-internal, S1-external

EDN113 Living and Learning with Technology - 3 points  
MURDOCH: S1-internal, S1-external

EDN116 Physical Education - 3 points  
MURDOCH: S2-internal

##### **Sport and Health Science Units - 6 credit points**

EXS124 Introduction to Sports Science - 3 points  
MURDOCH: S1-internal

PSY172 Introduction to Psychological Health and Wellbeing - 3 points  
MURDOCH: S2-internal

### **Part II - 96 credit points**

#### **Year 2 - 24 credit points**

#### **Research Skills Unit - 3 credit points**

BED200 Assessment and Action Research - 3 points  
MURDOCH: S2-internal, S2-external

#### **Core Units - 21 credit points**

##### **Education Units - 9 credit points**

Part-time students should contact the Student Centre when creating their study plan, particularly as it is necessary for concurrent enrolment in the Professional Experience and Secondary Curriculum units.

EDN221 Learning and Teaching - 3 points  
MURDOCH: S1-internal, S1-external

EDN2101 Professional Experience: BEd Secondary Teaching - 3 points  
MURDOCH: ST4-placement

EDN356 Sport Education - 3 points  
MURDOCH: S1-internal, S2-internal

##### **Sport and Health Science Units - 12 credit points**

BMS101 Introduction to the Human Body - 3 points  
MURDOCH: S1-internal

EXS201 Sports Psychology - 3 points  
MURDOCH: S1-internal

EXS203 Health, Fitness and Performance Assessment - 3 points  
MURDOCH: S1-internal

EXS205 Acquisition of Skills and Motor Control - 3 points  
MURDOCH: S2-internal

#### **Year 3 - 24 credit points**

##### **Research Skills Unit - 6 credit points**

BSC200 Research in the Physical and Life Sciences - 3 points  
MURDOCH: S1-internal, S1-external

BED300 Schooling and Society - Research Skills - 3 points  
Not available this year

##### **Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

#### **Core Units - 15 credit points**

##### **Education Units - 6 credit points**

EDN305 Professional Experience: BEd Secondary - 3 points  
Not available this year

Students are usually to enrol concurrently in this unit with EDN374 Physical Education and the Curriculum A (Secondary 7 - 10).

EDN374 Physical Education and the Curriculum A (Secondary 7 - 10) - 3 points  
Not available this year

##### **Sport and Health Science Units - 9 credit points**

EXS202 Exercise Physiology I - 3 points  
MURDOCH: S1-internal

EXS302 Exercise Physiology II - 3 points  
MURDOCH: S2-internal

EXS301 Advanced Sports Psychology - 3 points  
Not available this year

#### **Year 4 - 24 credit points**

##### **Research Skills Unit - 3 credit points**

BSC300 Bachelor of Science Research Skills Unit - 3 points  
Not available this year

#### **Core Units - 21 credit points**

**Education Units - 15 credit points**

EDN353 Country, Cultures, Peoples: Aboriginal and Torres Strait Islander Perspectives Across the Curriculum - 3 points  
MURDOCH: S1-internal, S1-external

EDN332 Children, Families and Communities - 3 points  
MURDOCH: S2-internal, S2-external

EDN446 Adolescent Health and Development - 3 points  
Not available this year

EDN410 Professional Experience: BEd Secondary - 3 points  
Not available this year  
Students should enrol concurrently in this unit with EDN378 Health and the Curriculum A (Secondary 7 - 10).

EDN378 Health and the Curriculum A (Secondary 7 - 10) - 3 points  
Not available this year

**Sport and Health Science Units - 6 credit points**

EXS204 Biomechanics I - 3 points  
MURDOCH: S2-internal

EXS303 Exercise, Programming and Prescription - 3 points  
Not available this year

**Year 5 - 24 credit points****Core Units - 24 credit points****Education Units - 24 credit points****Semester 1 - 12 credit points**

EDN465 Professional Experience: Perspectives on Curriculum - 3 points  
Not available this year

EDN358 Creating and Managing Effective Learning Environments - 3 points  
MURDOCH: S1-internal, S1-external

EDN474 Physical Education and the Curriculum B (Secondary 11 - 12) - 3 points  
Not available this year

EDN478 Health and the Curriculum B (Secondary 11-12) - 3 points  
Not available this year

**Semester 2 - 12 credit points**

Note that enrolment in EDN4303 Professional Internship: Preliminary Secondary Teaching and EDN4301 Professional Internship: Secondary Teaching require that 40 days be spent in schools, so enrolling in other units is not possible.

EDN449 Inclusive Education - 3 points  
Not available this year

EDN4303 Professional Internship: Preliminary Secondary Teaching - 3 points  
Not available this year

EDN4301 Professional Internship: Secondary Teaching - 6 points  
Not available this year

**ENGINEERING****See also:**

Chemistry  
Engineering Technology  
Environmental Science  
Extractive Metallurgy

**ELECTRICAL POWER ENGINEERING HONOURS (BE(HONS))**

School of Engineering and Information Technology

*Bachelor of Engineering Honours (BE(Hons)) in Electrical Power Engineering*

Course Codes: H1264

Duration: 4 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

Electrical Power Engineering concerns the study of power system elements including power generators, transmissions and distribution systems components. At the completion of this course graduates will have gained a good understanding of power systems analysis, operation and control. Particular emphasis is also placed on system stability, safety and protection issues.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements. It is recommended that students have completed the equivalent of WACE Mathematics 3C/3D, Mathematics: Specialist 3C/3D, Physics 3A/3B and Chemistry 3A/3B. Students who do not have the necessary Mathematical and Physics prerequisite knowledge may take an extra semester to complete their studies.

English competence.

**Special Requirements:**

All students will undertake at least 500 hours of approved work experience, plus complete a report outlining the experience gained, in order to complete the requirements of the degree. This work experience must be in a suitable engineering-related area and be approved by the Engineering Academic Chair.

**Employment Prospects:**

An extremely wide range of opportunities are available in both the commercial and industrial sectors covering information technology, manufacturing, medical, mining, processing, energy supply, communications, electronics, computer systems and defence-related industries to name a few.

**Professional Recognition:**

Graduates of accredited engineering courses are eligible for graduate membership of Engineers Australia. Full Chartered Professional Engineer status can then be achieved after a further three to five years of work experience in the engineering profession.

**Major Prerequisites****Mathematics Background**

Students may need to complete one prerequisite unit depending on their background in mathematics with either a C grade in Mathematics: Specialist 3C/3D or a final scaled score of 60 percent or more in Mathematics 3C/3D. Students without this background will need to complete:

MAS164 Fundamentals of Mathematics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous mathematics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

**Physics Background**

Students may need to complete one prerequisite unit depending on their background in physics and their final scaled score in Physics 3A/3B (or equivalent) within the past three years.

Physics 3A/3B with a final scaled score of 60 percent or more

OR

PEN120 General Physics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous physics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

### Course Structure - 96 credit points

#### Part I - 24 credit points

##### Year 1 - 24 credit points

###### Transition Unit - 3 credit points

BEN100 Transitioning into Engineering - 3 points  
MURDOCH: S1-internal, S2-internal

###### Breadth Unit for Degree - 3 credit points

BEN150 Design Concepts in Engineering - 3 points  
MURDOCH: S1-internal

###### Core Units - 18 credit points

PEN152 Principles of Physics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MAS182 Applied Mathematics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

ENG192 Energy, Mass and Flow - 3 points  
MURDOCH: S2-internal, S2-external

ENG109 Engineering Computing Systems - 3 points  
MURDOCH: S2-internal

MAS161 Calculus and Matrix Algebra - 3 points  
MURDOCH: S2-internal, S2-external

ENG125 Circuits and Systems I - 3 points  
MURDOCH: S2-internal

#### Part II - 72 credit points

##### Year 2 - 24 credit points

###### Research Skills Unit - 3 credit points

BEN200 Scientific Method in Engineering - 3 points  
MURDOCH: S1-internal

###### Breadth Unit University-Wide - 3 credit points

Select one 200-level University Breadth Unit.

###### Core Units - 18 credit points

ENG298 Principles of Process Engineering - 3 points  
MURDOCH: S1-internal

ENG297 Circuits and Systems II - 3 points  
MURDOCH: S1-internal

MAS220 Mathematical Methods - 3 points  
MURDOCH: S1-internal, S1-external

ENG294 Discrete Time Systems - 3 points  
MURDOCH: S2-internal

ENG207 Principles of Electronic Instrumentation - 3 points  
MURDOCH: S2-internal, SUM-internal

ENG299 Control Systems and Process Dynamics - 3 points  
MURDOCH: S2-internal, SUM-internal

##### Year 3 - 24 credit points

All Engineering students will undertake at least 500 hours of approved work experience, plus complete a report outlining the experience gained, in order to complete the requirements of the degree. This work experience must be in a suitable engineering-related area and must be approved by the

Engineering Academic Chair.

##### Research Skills Unit - 3 credit points

BEN300 Advanced Engineering Research Skills - 3 points  
Not available this year

##### Core Units - 12 credit points

ENG317 Electromechanical Energy Conversion - 3 points  
Not available this year

ENG318 Power Electronic Converters and Systems - 3 points  
Not available this year

ENG323 Power Transmission and Distribution Networks - 3 points  
Not available this year

ENG336 Engineering Finance, Management and Law - 3 points  
Not available this year

##### Specified Electives - 9 credit points

In order to obtain professional accreditation, students must take units that are acceptable to Engineers Australia. Select from units at Part II from the other Engineering majors or other Part II units with permission of the Engineering Academic Chair.

##### Year 4 - 24 credit points

###### Core Units - 18 credit points

ENG449 Electrical Power Systems Design - 3 points  
Not available this year

ENG451 Power Systems Protection and Control - 3 points  
Not available this year

ENG470 Engineering Honours Thesis - 12 points  
MURDOCH: DE2-internal, H-internal, S1-internal, WU3-internal, Y-internal

###### Specified Electives - 6 credit points

In order to obtain professional accreditation, students must take units that are acceptable to Engineers Australia. Select from units at Part II from the other Engineering majors or other Part II units with permission of the Engineering Academic Chair.

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## ENVIRONMENTAL ENGINEERING HONOURS (BE(HONS))

School of Engineering and Information Technology

*Bachelor of Engineering Honours (BE(Hons)) in Environmental Engineering*

Course Codes: H1264

Duration: 4 years full-time or part-time equivalent

##### Availability:

- Murdoch campus (internal)
- Some units only: Murdoch campus (external)

Environmentally sound engineered systems are of increasing interest in our society.

This major will equip graduates with the discipline knowledge and problem-solving skills to design water, energy, shelter and primary production systems underpinned by ecological knowledge. Graduates can be employed by engineering firms, land developers, utilities, international development and government agencies to design and manage engineered systems. Graduates will have a global perspective and ethical approach to sustainable development.

##### Admission Requirements (Onshore):

As per normal undergraduate admission requirements. Students who do not have the necessary background in WACE Chemistry, Mathematics and Physics may take longer than four years to

complete this course. Articulation from TAFE is encouraged.

English competence.

#### **Special Requirements:**

All students will undertake at least 500 hours of approved work experience, plus complete a report outlining the experience gained, in order to complete the requirements of the degree. This work experience must be in a suitable engineering-related area and be approved by the Engineering Academic Chair.

#### **Employment Prospects:**

Graduates will be in high demand in energy and water utilities, and in companies and consulting agencies servicing this sector. Moreover, government departments are significant employers of graduates.

#### **Professional Recognition:**

Graduates of accredited engineering courses are eligible for Graduate Membership of Engineers Australia. Full Chartered Professional Engineer status can then be achieved after a further three to five years of work experience in the engineering profession.

#### **Main Research Areas:**

Total water cycle management, energy efficiency, permaculture, sustainable construction, organic waste management.

### **Major Prerequisites**

#### **Chemistry Background**

Students may need to complete one prerequisite unit depending on their background in chemistry and their final scaled score in Chemistry within the past three years.

Chemistry 3A/3B with a final scaled score of 60 percent or more

OR

CHE140 Fundamentals of Chemistry - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous chemistry not stated above should consult the Academic Chair for clarification of their enrolment requirements.

#### **Mathematics Background**

Students may need to complete one prerequisite unit depending on their background in mathematics with either a C grade in Mathematics: Specialist 3C/3D or a final scaled score of 60 percent or more in Mathematics 3C/3D within the past three years.

Students without this background will need to complete:

MAS164 Fundamentals of Mathematics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous mathematics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

#### **Physics Background**

Students may need to complete one prerequisite unit depending on their background in physics and their final scaled score in Physics within the past three years.

WACE Physics 3A/3B with a final scaled score of 60 percent or more

OR

PEN120 General Physics - 3 points

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous physics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

### **Course Structure - 96 credit points**

#### **Part I - 24 credit points**

##### **Year 1 - 24 credit points**

##### **Transition Unit - 3 credit points**

BEN100 Transitioning into Engineering - 3 points  
MURDOCH: S1-internal, S2-internal

##### **Breadth Unit for Degree - 3 credit points**

BEN150 Design Concepts in Engineering - 3 points  
MURDOCH: S1-internal

##### **Core Units - 18 credit points**

MAS182 Applied Mathematics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

OR

BIO103 Introduction to Environmental Biology - 3 points  
MURDOCH: S1-internal, S1-external

ENV102 Foundations of the Environment - 3 points  
MURDOCH: S2-internal, S2-external

CHE144 Foundations of Chemistry - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MAS161 Calculus and Matrix Algebra - 3 points  
MURDOCH: S2-internal, S2-external

ENG109 Engineering Computing Systems - 3 points  
MURDOCH: S2-internal

PEN152 Principles of Physics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

#### **Part II - 72 credit points**

##### **Year 2 - 24 credit points**

##### **Research Skills Unit - 3 credit points**

BEN200 Scientific Method in Engineering - 3 points  
MURDOCH: S1-internal

##### **Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

##### **Core Units - 18 credit points**

ENG221 Pollution and its Control - 3 points  
MURDOCH: S1-internal, S1-external

ENG298 Principles of Process Engineering - 3 points  
MURDOCH: S1-internal

MAS221 Mathematical Modelling - 3 points  
MURDOCH: S2-internal, S2-external

ENG203 Heat and Mass Transfer - 3 points  
MURDOCH: S2-internal, S2-external

ENG202 Engineering Thermodynamics - 3 points  
MURDOCH: S1-internal, S1-external

ENG201 Fluid Mechanics - 3 points  
MURDOCH: S2-internal, S2-external

##### **Year 3 - 24 credit points**

All Engineering students will undertake at least 500 hours of approved work experience, plus complete a report outlining the experience gained, in order to complete the requirements of the degree. This work experience must be in a suitable



engineering-related area and must be approved by the Engineering Academic Chair.

#### **Research Skills Unit - 3 credit points**

BEN300 Advanced Engineering Research Skills - 3 points  
Not available this year

#### **Core Units - 21 credit points**

ENV243 Water and Earth Science - 3 points  
MURDOCH: S1-internal, S1-external

ENV331 Environmental Management - 3 points  
Not available this year

ENG342 BioEnergy and Resource Recovery - 3 points  
Not available this year

ENG341 Water Conservation and Auditing - 3 points  
Not available this year

ENG338 Energy Management and Systems - 3 points  
Not available this year

ENG300 Environmental Technology for Sustainability - 3 points  
Not available this year

ENG336 Engineering Finance, Management and Law - 3 points  
Not available this year

#### **Year 4 - 24 credit points**

##### **Core Units - 21 credit points**

ENG452 Environmental Engineering Design - 3 points  
Not available this year

ENG459 Sustainable Urban Water Systems - 3 points  
Not available this year

ENG441 Solar Thermal and Biomass Engineering - 3 points  
Not available this year

ENG470 Engineering Honours Thesis - 12 points  
MURDOCH: DE2-internal, H-internal, S1-internal, WU3-internal,  
Y-internal

##### **Specified Electives - 3 credit points**

Select from the following:

ENG456 Hazard, Safety and Environmental Management - 3 points  
Not available this year

ENV241 Ecology - 3 points  
MURDOCH: S2-internal, S2-external

ENG308 Advanced Process Engineering - 3 points  
Not available this year

ENG335 Reactor Design - 3 points  
Not available this year

In order to obtain professional accreditation, students must take units that are acceptable to Engineers Australia. Select from units at Part II from the other Engineering majors or other Part II units with permission of the Engineering Academic Chair.

## **INDUSTRIAL COMPUTER SYSTEMS ENGINEERING HONOURS (BE(HONS))**

School of Engineering and Information Technology

Bachelor of Engineering Honours (BE(Hons)) in Industrial Computer Systems Engineering

Course Codes: H1264

Duration: 4 years full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal)

Industrial Computer Systems Engineering is concerned with the use and application of computing technologies (hardware and software) in the operation of modern industrial plants, manufacturing processes and material processing industries, particularly computer based measurement and control. This course provides a graduate with a unique blend of skills in computing and software development, and the skills to design, commission and test complex industrial control systems.

#### **Admission Requirements (Onshore):**

As per normal undergraduate admission requirements. It is recommended that students have completed the equivalent of WACE Mathematics 3C/3D, WACE Mathematics: Specialist 3C/3D, WACE Physics 3A/3B and WACE Chemistry 3A/3B. Students who do not have the necessary Mathematical and Physics prerequisite knowledge may take an extra semester to complete their studies.

English competence.

#### **Special Requirements:**

All students will undertake at least 500 hours of approved work experience, plus complete a report outlining the experience gained, in order to complete the requirements of the degree. This work experience must be in a suitable engineering-related area and be approved by the Engineering Academic Chair.

#### **Employment Prospects:**

An extremely wide range of opportunities are available in both the commercial and industrial sectors covering information technology, manufacturing, medical, mining, processing, energy supply, communications, electronics, computer systems and defence-related industries to name a few.

#### **Professional Recognition:**

Graduates of accredited engineering courses are eligible for graduate membership of Engineers Australia. Full Chartered Professional Engineer status can then be achieved after a further three to five years of work experience in the engineering profession.

#### **Major Prerequisites**

##### **Mathematics Background**

Students may need to complete one prerequisite unit depending on their background in mathematics with either a C grade in Mathematics: Specialist 3C/3D or a final scaled score of 60 percent or more in Mathematics 3C/3D. Students without this background will need to complete:

MAS164 Fundamentals of Mathematics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous mathematics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

##### **Physics Background**

Students may need to complete one prerequisite unit depending on their background in physics and their final scaled score in Physics 3A/3B (or equivalent) within the past three years.

Physics 3A/3B with a final scaled score of 60 percent or more

OR

PEN120 General Physics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous physics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

**Course Structure - 96 credit points****Part I - 24 credit points****Year 1 - 24 credit points****Transition Unit - 3 credit points**

BEN100 Transitioning into Engineering - 3 points  
MURDOCH: S1-internal, S2-internal

**Breadth Unit for Degree - 3 credit points**

BEN150 Design Concepts in Engineering - 3 points  
MURDOCH: S1-internal

**Core Units - 18 credit points**

PEN152 Principles of Physics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MAS182 Applied Mathematics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

ENG192 Energy, Mass and Flow - 3 points  
MURDOCH: S2-internal, S2-external

ENG109 Engineering Computing Systems - 3 points  
MURDOCH: S2-internal

MAS161 Calculus and Matrix Algebra - 3 points  
MURDOCH: S2-internal, S2-external

ENG125 Circuits and Systems I - 3 points  
MURDOCH: S2-internal

**Part II - 72 credit points****Year 2 - 24 credit points****Research Skills Unit - 3 credit points**

BEN200 Scientific Method in Engineering - 3 points  
MURDOCH: S1-internal

**Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

**Core Units - 18 credit points**

ENG298 Principles of Process Engineering - 3 points  
MURDOCH: S1-internal

ENG297 Circuits and Systems II - 3 points  
MURDOCH: S1-internal

MAS220 Mathematical Methods - 3 points  
MURDOCH: S1-internal, S1-external

ENG294 Discrete Time Systems - 3 points  
MURDOCH: S2-internal

ENG207 Principles of Electronic Instrumentation - 3 points  
MURDOCH: S2-internal, SUM-internal

ENG299 Control Systems and Process Dynamics - 3 points  
MURDOCH: S2-internal, SUM-internal

**Year 3 - 24 credit points**

All Engineering students will undertake at least 500 hours of approved work experience, plus complete a report outlining the experience gained, in order to complete the requirements of the degree. This work experience must be in a suitable engineering-related area and must be approved by the Engineering Academic Chair.

**Research Skills Unit - 3 credit points**

BEN300 Advanced Engineering Research Skills - 3 points  
Not available this year

**Core Units - 12 credit points**

ENG311 PLC Systems - 3 points  
Not available this year

ENG319 Real Time and Embedded Systems - 3 points  
Not available this year

ENG321 Instrument and Communication Systems - 3 points  
Not available this year

ENG336 Engineering Finance, Management and Law - 3 points  
Not available this year

**Specified Electives - 9 credit points**

In order to obtain professional accreditation, students must take units that are acceptable to Engineers Australia. Select from units at Part II from the other Engineering majors or other Part II units with permission of the Engineering Academic Chair.

**Year 4 - 24 credit points****Core Units - 18 credit points**

ENG447 Industrial Computer Systems Design - 3 points  
Not available this year

ENG448 SCADA and Systems Architecture - 3 points  
Not available this year

ENG470 Engineering Honours Thesis - 12 points  
MURDOCH: DE2-internal, H-internal, S1-internal, WU3-internal, Y-internal

**Specified Electives - 6 credit points**

In order to obtain professional accreditation, students must take units that are acceptable to Engineers Australia. Select from units at Part II from the other Engineering majors or other Part II units with permission of the Engineering Academic Chair.

**INSTRUMENTATION AND CONTROL ENGINEERING HONOURS (BE(HONS))**

School of Engineering and Information Technology

*Bachelor of Engineering Honours (BE(Hons)) in Instrumentation and Control Engineering*

Course Codes: H1264

Duration: 4 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

Instrumentation and Control Engineering is concerned with the design, construction, testing and management of tools and equipment for monitoring, control and performance assessment of a wide range of manufacturing and industrial processes. Areas of application will cover virtually all processes that require specialised control and monitoring systems. Often, such automation systems are computer based. Particular emphasis is placed on applications in mining, chemical and mineral processing industries and in other processing sectors.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements. It is recommended that students have completed the equivalent of WACE Mathematics 3C/3D, WACE Mathematics: Specialist 3C/3D, WACE Physics 3A/3B and WACE Chemistry 3A/3B. Students who do not have the necessary Mathematical and Physics prerequisite knowledge may take an extra semester to complete their studies.

English competence.

**Special Requirements:**

All students will undertake at least 500 hours of approved work experience, plus complete a report outlining the experience gained, in order to complete the requirements of the degree. This work experience must be in a suitable engineering-related area and be approved by the Engineering Academic Chair.

**Employment Prospects:**

An extremely wide range of opportunities are available in both the commercial and industrial sectors covering information technology, manufacturing, medical, mining, processing, energy supply, communications, electronics, computer systems and defence-related industries to name a few.

**Professional Recognition:**

Graduates of accredited engineering courses are eligible for graduate membership of Engineers Australia. Full Chartered Professional Engineer status can then be achieved after a further three to five years of work experience in the engineering profession.

**Major Prerequisites****Mathematics Background**

Students may need to complete one prerequisite unit depending on their background in mathematics with either a C grade in Mathematics: Specialist 3C/3D or a final scaled score of 60 percent or more in Mathematics 3C/3D. Students without this background will need to complete:

MAS164 Fundamentals of Mathematics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous mathematics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

**Physics Background**

Students may need to complete one prerequisite unit depending on their background in physics and their final scaled score in Physics 3A/3B (or equivalent) within the past three years.

Physics 3A/3B with a final scaled score of 60 percent or more

OR

PEN120 General Physics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous physics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

**Course Structure - 96 credit points****Part I - 24 credit points****Year 1 - 24 credit points****Transition Unit - 3 credit points**

BEN100 Transitioning into Engineering - 3 points  
MURDOCH: S1-internal, S2-internal

**Breadth Unit for Degree - 3 credit points**

BEN150 Design Concepts in Engineering - 3 points  
MURDOCH: S1-internal

**Core Units - 18 credit points**

PEN152 Principles of Physics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MAS182 Applied Mathematics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

ENG109 Engineering Computing Systems - 3 points  
MURDOCH: S2-internal

MAS161 Calculus and Matrix Algebra - 3 points  
MURDOCH: S2-internal, S2-external

ENG125 Circuits and Systems I - 3 points  
MURDOCH: S2-internal

ENG192 Energy, Mass and Flow - 3 points  
MURDOCH: S2-internal, S2-external

**Part II - 72 credit points****Year 2 - 24 credit points****Research Skills Unit - 3 credit points**

BEN200 Scientific Method in Engineering - 3 points  
MURDOCH: S1-internal

**Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

**Core Units - 18 credit points**

ENG298 Principles of Process Engineering - 3 points  
MURDOCH: S1-internal

ENG297 Circuits and Systems II - 3 points  
MURDOCH: S1-internal

MAS220 Mathematical Methods - 3 points  
MURDOCH: S1-internal, S1-external

ENG294 Discrete Time Systems - 3 points  
MURDOCH: S2-internal

ENG207 Principles of Electronic Instrumentation - 3 points  
MURDOCH: S2-internal, SUM-internal

ENG299 Control Systems and Process Dynamics - 3 points  
MURDOCH: S2-internal, SUM-internal

**Year 3 - 24 credit points**

All Engineering students will undertake at least 500 hours of approved work experience, plus complete a report outlining the experience gained, in order to complete the requirements of the degree. This work experience must be in a suitable engineering-related area and must be approved by the Engineering Academic Chair.

**Research Skills Unit - 3 credit points**

BEN300 Advanced Engineering Research Skills - 3 points  
Not available this year

**Core Units - 12 credit points**

ENG308 Advanced Process Engineering - 3 points  
Not available this year

ENG309 Process Control Engineering I - 3 points  
Not available this year

ENG322 Process Control Engineering II - 3 points  
Not available this year

ENG336 Engineering Finance, Management and Law - 3 points  
Not available this year

**Specified Electives - 9 credit points**

In order to obtain professional accreditation, students must take units that are acceptable to Engineers Australia. Select from units at Part II from the other Engineering majors or other Part II units with permission of the Engineering Academic Chair.

**Year 4 - 24 credit points****Core Units - 18 credit points**

ENG445 Instrumentation and Control Systems Design - 3 points  
Not available this year

ENG446 Process Systems Engineering - 3 points  
Not available this year

ENG470 Engineering Honours Thesis - 12 points  
MURDOCH: DE2-internal, H-internal, S1-internal, WU3-internal, Y-internal

**Specified Electives - 6 credit points**

In order to obtain professional accreditation, students must take units that are acceptable to Engineers Australia. Select from units at Part II from the other Engineering majors or other Part II units with permission of the Engineering Academic Chair.

## RENEWABLE ENERGY ENGINEERING HONOURS (BE(HONS))

School of Engineering and Information Technology

Bachelor of Engineering Honours (BE(Hons)) in Renewable Energy Engineering

Course Codes: H1264

Duration: 4 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)

Renewable Energy Engineering focuses on the use of sources of energy which do not result in long term reduction, or loss, of our earth's resources. It is concerned with developing efficient means of tapping these energy sources and transforming the energy into useful forms that can be easily used for the full range of domestic and industrial applications. Graduates will be expected to design, commission and test a wide range of renewable energy systems, including solar thermal, photovoltaic, wind based and biomass systems.

The course requires an in-depth study of a range of mathematics, computing and engineering fundamentals, combined with a full range of studies in the necessary specialist subject areas. This is complemented by studies in management, accounting, economics and law.

### Admission Requirements (Onshore):

As per normal undergraduate admission requirements. It is recommended that students have completed the equivalent of Mathematics 3C/3D, Mathematics: Specialist 3C/3D, Physics 3A/3B and Chemistry 3A/3B. Students who do not have the necessary Mathematical and Physics prerequisite knowledge may take an extra semester to complete their studies.

English competence.

### Special Requirements:

All students will undertake at least 500 hours of approved work experience, plus complete a report outlining the experience gained, in order to complete the requirements of the degree. This work experience must be in a suitable engineering-related area and be approved by the Engineering Academic Chair.

### Employment Prospects:

An extremely wide range of opportunities are available in both the commercial and industrial sectors covering information technology, manufacturing, medical, mining, processing, energy supply, communications, electronics, computer systems and defence-related industries to name a few.

### Professional Recognition:

Graduates of accredited engineering courses are eligible for graduate membership of Engineers Australia. Full Chartered Professional Engineer status can then be achieved after a further three to five years of work experience in the engineering profession.

### Major Prerequisites

#### Mathematics Background

Students may need to complete one prerequisite unit depending on their background in mathematics with either a C grade in Mathematics: Specialist 3C/3D or a final scaled score of 60 percent or more in Mathematics 3C/3D. Students without this background

will need to complete: MAS164 Fundamentals of Mathematics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous mathematics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

### Physics Background

Students may need to complete one prerequisite unit depending on their background in physics and their final scaled score in Physics 3A/3B (or equivalent) within the past three years.

Physics 3A/3B with a final scaled score of 60 percent or more

OR

PEN120 General Physics - 3 points

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous physics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

## Course Structure - 96 credit points

### Part I - 24 credit points

#### Year 1 - 24 credit points

##### Transition Unit - 3 credit points

BEN100 Transitioning into Engineering - 3 points

MURDOCH: S1-internal, S2-internal

##### Breadth Unit for Degree - 3 credit points

BEN150 Design Concepts in Engineering - 3 points

MURDOCH: S1-internal

##### Core Units - 18 credit points

PEN152 Principles of Physics - 3 points

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MAS182 Applied Mathematics - 3 points

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

ENG109 Engineering Computing Systems - 3 points

MURDOCH: S2-internal

MAS161 Calculus and Matrix Algebra - 3 points

MURDOCH: S2-internal, S2-external

ENG125 Circuits and Systems I - 3 points

MURDOCH: S2-internal

ENG192 Energy, Mass and Flow - 3 points

MURDOCH: S2-internal, S2-external

### Part II - 72 credit points

#### Year 2 - 24 credit points

##### Research Skills Unit - 3 credit points

BEN200 Scientific Method in Engineering - 3 points

MURDOCH: S1-internal

##### Breadth Unit University-Wide - 3 credit points

Select one 200-level University Breadth Unit.

##### Core Units - 18 credit points

ENG298 Principles of Process Engineering - 3 points

MURDOCH: S1-internal

ENG297 Circuits and Systems II - 3 points

MURDOCH: S1-internal

MAS220 Mathematical Methods - 3 points

MURDOCH: S1-internal, S1-external

ENG294 Discrete Time Systems - 3 points  
MURDOCH: S2-internal

ENG207 Principles of Electronic Instrumentation - 3 points  
MURDOCH: S2-internal, SUM-internal

ENG299 Control Systems and Process Dynamics - 3 points  
MURDOCH: S2-internal, SUM-internal

### Year 3 - 24 credit points

All Engineering students will undertake at least 500 hours of approved work experience, plus complete a report outlining the experience gained, in order to complete the requirements of the degree. This work experience must be in a suitable engineering-related area and must be approved by the Engineering Academic Chair.

### Research Skills Unit - 3 credit points

BEN300 Advanced Engineering Research Skills - 3 points  
Not available this year

### Core Units - 12 credit points

ENG336 Engineering Finance, Management and Law - 3 points  
Not available this year

ENG337 Applied Photovoltaics - 3 points  
Not available this year

ENG339 Wind Energy Engineering - 3 points  
Not available this year

ENG338 Energy Management and Systems - 3 points  
Not available this year

### Specified Electives - 9 credit points

In order to obtain professional accreditation, students must take units that are acceptable to Engineers Australia. Select from units at Part II from the other Engineering majors or other Part II units with permission of the Engineering Academic Chair.

### Year 4 - 24 credit points

#### Core Units - 18 credit points

ENG442 Renewable Energy Systems Engineering - 3 points  
Not available this year

ENG441 Solar Thermal and Biomass Engineering - 3 points  
Not available this year

ENG470 Engineering Honours Thesis - 12 points  
MURDOCH: DE2-internal, H-internal, S1-internal, WU3-internal, Y-internal

#### Specified Electives - 6 credit points

In order to obtain professional accreditation, students must take units that are acceptable to Engineers Australia. Select from units at Part II from the other Engineering majors or other Part II units with permission of the Engineering Academic Chair.

## ENGINEERING TECHNOLOGY

**See also:**  
Engineering

### ENGINEERING TECHNOLOGY (BSC)

School of Engineering and Information Technology

Bachelor of Science (BSc) in Engineering Technology

Course Codes: B1317

Duration: 3 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)

The approach of the technologist is, wherever possible, to use and adapt 'off the shelf' building blocks and components to create and/or modify the required software and/or hardware. In this degree students are free to choose from a range of units; however, there are four key areas of study:

**Industrial Computer Systems:** concerned with the specification, design, implementation and commissioning of industrial control systems. It is a combination of both computer hardware and software to meet the requirements of the industrial measurement and control application.

**Instrumentation and Control:** concerned with instrumentation installation, specification, systems monitoring and operational control of a wide range of manufacturing and process oriented industries.

**Electrical Power:** associated with power system elements including power generators, transmission and distribution system components as well as power system analysis, operation and control.

**Renewable Energy Systems:** concerned with the study and use of renewable energy technologies and energy sources with an emphasis on electrical generation.

Murdoch's Bachelor of Science is a flexible degree which gives you the opportunity to build deep understanding and practical experience as well as to supplement your studies by engaging with industry and the community on relevant problems. You can even undertake studies through another discipline to broaden your understanding of the way in which science operates in relation to social, business, health and policy environments.

#### Admission Requirements (Onshore):

Normal university admission requirements apply. It is recommended that students have completed the equivalent of WACE Mathematics 3C/3D, Mathematics: Specialist 3C/3D and WACE Physics 3A/3B. Students who do not have the necessary Mathematical and Physics prerequisite knowledge may take an extra semester to complete their studies.

English competence.

#### Employment Prospects:

This degree offers study suitable for graduates to enter a wide range of engineering and applied science careers as Engineering Technologists. Depending on the specific units chosen, graduates may pursue careers in industries associated with computing and information technology, industrial computer systems, instrumentation and control.

#### Advanced Standing:

This major is designed to admit students either through direct entry to the University, or via TAFE. Students who have completed appropriate TAFE qualifications may be admitted directly into the second year of the major.

Upon successful completion of this course, it is possible with one further year of study to upgrade to a Bachelor of Engineering Honours degree. It should be noted that if a sufficient level of performance is achieved in the first year, it is also possible to transfer into the Engineering course in the second year of study.

### Major Prerequisites

#### Mathematics Background

Students may need to complete one prerequisite unit depending on their background in mathematics with either a C grade in Mathematics: Specialist 3C/3D or a final scaled score of 60 percent or more in Mathematics 3C/3D. Students without this background will need to complete:

MAS164 Fundamentals of Mathematics - 3 points

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous mathematics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

### Physics Background

Students may need to complete one prerequisite unit depending on their background in physics and their final scaled score in Physics 3A/3B (or equivalent) within the past three years.

Physics 3A/3B with a final scaled score of 60 percent or more

OR

PEN120 General Physics - 3 points

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous physics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

## Course Structure - 72 credit points

### Part I - 24 credit points

#### Year 1 - 24 credit points

##### Transition Unit - 3 credit points

BSC100 Building Blocks for Science Students - 3 points

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### Breadth Unit for Degree - 3 credit points

BSC150 What is Science? - 3 points

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### Core Units - 9 credit points

ENG192 Energy, Mass and Flow - 3 points

MURDOCH: S2-internal, S2-external

MAS182 Applied Mathematics - 3 points

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

ENG125 Circuits and Systems I - 3 points

MURDOCH: S2-internal

##### General Electives - 9 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

### Part II - 48 credit points

#### Year 2 - 24 credit points

##### Research Skills Unit - 3 credit points

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

##### For Primary Major in Cognitive Neuroscience and Health Psychology

BSC201 Psychology: Measurement, Design and Analysis - 3 points

MURDOCH: S1-internal

##### For Primary Majors in the Health Sciences, as listed

Primary Major in Chiropractic Science, Exercise Physiology, Movement Science, or Sport and Health Science:

BSC206 Introduction to Research Methodology and Evidence Based Practice - 3 points

MURDOCH: S2-internal

##### For Primary Majors in Information Technology

BSC203 Introduction to ICT Research Methods - 3 points

MURDOCH: S1-internal, S1-external

### For All Other Primary Majors

BSC200 Research in the Physical and Life Sciences - 3 points

MURDOCH: S1-internal, S1-external

### Breadth Unit University-Wide - 3 credit points

Select one 200-level University Breadth Unit.

### Core Units - 12 credit points

ENG207 Principles of Electronic Instrumentation - 3 points

MURDOCH: S2-internal, SUM-internal

Plus one unit from each of the following Groups.

#### Group 1

ENG297 Circuits and Systems II - 3 points

MURDOCH: S1-internal

ENG298 Principles of Process Engineering - 3 points

MURDOCH: S1-internal

#### Group 2

MAS221 Mathematical Modelling - 3 points

MURDOCH: S2-internal, S2-external

MAS220 Mathematical Methods - 3 points

MURDOCH: S1-internal, S1-external

#### Group 3

ENG299 Control Systems and Process Dynamics - 3 points

MURDOCH: S2-internal, SUM-internal

ENG294 Discrete Time Systems - 3 points

MURDOCH: S2-internal

### General Electives - 6 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

#### Year 3 - 24 credit points

##### Research Skills Unit - 3 credit points

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

##### For Primary Majors in Information Technology

BSC301 Applied Research Skills in ICT - 3 points

Not available this year

##### For All Other Primary Majors

BSC300 Bachelor of Science Research Skills Unit - 3 points

Not available this year

### Breadth Unit University-Wide - 3 credit points

BRD350 University Breadth in Practice Unit - 3 points

Not available this year

### Core Units - 6 credit points

Select one unit from Group 4 and one unit from Group 5.

#### Group 4

ENG308 Advanced Process Engineering - 3 points

Not available this year

ENG311 PLC Systems - 3 points

Not available this year

ENG317 Electromechanical Energy Conversion - 3 points

Not available this year

ENG309 Process Control Engineering I - 3 points

Not available this year

ENG318 Power Electronic Converters and Systems - 3 points  
Not available this year

ENG337 Applied Photovoltaics - 3 points  
Not available this year

#### Group 5

ENG323 Power Transmission and Distribution Networks - 3 points  
Not available this year

ENG319 Real Time and Embedded Systems - 3 points  
Not available this year

ENG339 Wind Energy Engineering - 3 points  
Not available this year

ENG338 Energy Management and Systems - 3 points  
Not available this year

ENG321 Instrument and Communication Systems - 3 points  
Not available this year

ENG322 Process Control Engineering II - 3 points  
Not available this year

#### General Electives - 12 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

## ENGLISH AND CREATIVE WRITING

### ENGLISH AND CREATIVE WRITING (BA)

School of Arts

Bachelor of Arts (BA) in English and Creative Writing

Course Codes: B1316

Duration: 3 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

English and Creative Writing offers students excellent opportunities to develop critical, conceptual and creative skills in order to become incisive thinkers, adept readers and imaginative writers. Students engage with a wide range of literary, theoretical, dramatic, and other texts, from the Renaissance to the present day, enabling them to hone their capacity for reflection and analysis. They will develop the ability to write a diverse range of literary and related genres. Upon completion of the major, graduates will be skilled in methods of critical analysis and argument; fluent in oral and written expression; and confident in their ability to undertake critical and/or creative work.

In the Bachelor of Arts you will develop a broad understanding of your field and proficiency in producing written and oral arguments and creative artifacts in response to social, human and natural phenomena. You will also develop a critical appreciation of the perspectives of others. As an Arts graduate you will be able to think critically and creatively, apply knowledge and information, and communicate effectively. These are professional skills which are critical across a range of industries. You will also be able to pursue further study in the fields of social research, the humanities and/or the creative arts.

#### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

#### Special Requirements:

There may be a reduction in choice of units if completing this course in the external mode.

#### Employment Prospects:

Depending on the particular make-up of the degree, graduates in English and Creative Writing would be well prepared for employment in several of the following professions: advertising, design, teaching, public administration, journalism, publishing, computer arts, and many fields of business.

#### Recommended Double Majors:

History; Philosophy; Theatre and Drama

#### Excluded Minors:

Creative Writing

#### Languages and Writing Skills:

English and Creative Writing students are strongly encouraged to study another language, such as Indonesian, Japanese, Biblical Hebrew and New Testament Greek, all offered by Murdoch University, or another language studied cross-institutionally. Students are also encouraged to include a writing unit in their selection of a general elective at either Part I or Part II.

### Course Structure - 72 credit points

#### Part I - 24 credit points

##### Year 1 - 24 credit points

##### Transition Unit - 3 credit points

BAR100 Academic Learning Skills - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### Breadth Unit for Degree - 3 credit points

BAR150 Ideas and Identity - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### Core Units - 6 credit points

EGL121 Turning Points in Literature - 3 points  
MURDOCH: S1-internal, S1-external

EGL122 Writing and Creativity - 3 points  
MURDOCH: S2-internal, S2-external

##### General Electives - 12 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

#### Part II - 48 credit points

##### Year 2 - 24 credit points

##### Research Skills Unit - 3 credit points

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

##### For Primary Major in Social and Developmental Psychology

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
MURDOCH: S1-internal

##### For All Other Primary Majors

BAR200 Developing Research Skills and Methods - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### Breadth Unit University-Wide - 3 credit points

Select one 200-level University Breadth Unit.

**Core Unit - 3 credit points**

EGL252 Great Books Past and Present 1 - 3 points  
MURDOCH: S1-internal, S1-external

**Specified Electives - 6 credit points**

Select from the Specified Elective Unit List below.

**General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Year 3 - 24 credit points****Research Skills Unit - 3 credit points**

BAR300 Bachelor of Arts Research Skills Unit - 3 points  
Not available this year

**Breadth Unit University-Wide - 3 credit points**

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

**Core Unit - 3 credit points**

EGL345 Great Books Past and Present 2 - 3 points  
Not available this year

**Specified Electives - 6 credit points**

Select from the Specified Elective Unit List below.

**General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Specified Elective Unit List**

Select Specified Electives from the following units during Years 2 and 3, subject to individual unit prerequisites. At least two units must be at 300 level.

EGL220 Project in Creative Writing - 3 points  
MURDOCH: S2-internal, S2-external

EGL233 Telling True Stories - 3 points  
MURDOCH: S2-internal, S2-external

EGL346 Literary Theory - 3 points  
Not available this year

EGL232 Professional Writing and Editing - 3 points  
Not available this year

EGL230 Popular Literature and Science Fiction - 3 points  
MURDOCH: S2-internal, S2-external

EGL235 Australian Literature and Film - 3 points  
MURDOCH: S1-internal, S1-external

EGL344 Sonnet to Song: Understanding Poetry - 3 points  
Not available this year

EGL343 Contemporary Fiction Writing - 3 points  
Not available this year

EGL348 Shakespeare - 3 points  
Not available this year

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**ENGLISH AND CREATIVE WRITING HONOURS (BA(HONS))**

School of Arts

Bachelor of Arts Honours (BA(Hons)) in English and Creative Writing

Course Codes: H1256

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

The aim of Honours is to extend students' grasp of the theoretical, conceptual and practical framework of their discipline, and to develop skills for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

**Admission Requirements (Onshore):**

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Distinction average; subject to availability of a suitable supervisor and approval by the Associate Dean (Learning and Teaching) of the School.

English competence.

**Apply Online:**

Applications can be made online at  
<http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

**Course Structure - 24 credit points****Coursework - 12 credit points**

ART604 Advanced Research Methods - 3 points  
MURDOCH: S1-internal, S1-external

ART503 Honours Seminar in Arts - 3 points  
MURDOCH: S1-internal

EGL569 Honours Dissertation Preliminary - 3 points  
MURDOCH: S1-internal, S2-internal, Y-internal

EGL591 Honours Topic in English and Creative Writing - 3 points  
MURDOCH: S1-internal, S2-internal, Y-internal

**Thesis - 12 credit points**

EGL599 Honours Thesis in English and Creative Writing - 12 points  
MURDOCH: S1-internal, S2-internal, Y-internal

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**ENVIRONMENTAL MANAGEMENT****See also:**

Environmental Science

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**ENVIRONMENTAL MANAGEMENT AND SUSTAINABILITY (BSC)**

School of Veterinary and Life Sciences

Bachelor of Science (BSc) in Environmental Management and Sustainability

Course Codes: B1317

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external) (some on-campus attendance is required in individual units)

The world must address the challenges of climate change and population growth. Such challenges can only be met through sustainable management that not only integrates the environmental



sciences and their human dimensions, but also translates that science into practical management actions. The Environmental Management and Sustainability degree links environmental management knowledge to local, regional and global sustainability, enabling graduates to develop clear management alternatives for a viable sustainable future.

Murdoch's Bachelor of Science is a flexible degree which gives you the opportunity to build deep understanding and practical experience as well as to supplement your studies by engaging with industry and the community on relevant problems. You can even undertake studies through another discipline to broaden your understanding of the way in which science operates in relation to social, business, health and policy environments.

#### **Admission Requirements (Onshore):**

As per normal undergraduate admission requirements. There are no prerequisites for admission but it is highly desirable for students to have undertaken WACE Chemistry 3A/3C and Mathematics 2C/2D.

English competence.

#### **Special Requirements:**

This degree is available externally, although some attendance is required in individual units.

#### **Employment Prospects:**

Environmental Management and Sustainability graduates are well positioned to enter the public and private sectors as environmental managers and sustainability officers, to join environmental consulting firms, and to work overseas. Employment opportunities are likely to be enhanced for graduates who have completed research honours or graduate certificate.

#### **Recommended Double Majors:**

Environmental Science; Management; Marine Science

#### **Excluded Minors:**

Ecosystem Management; Environmental Issues; Resource Management

#### **Main Research Areas:**

Ecosystem management and restoration, technologies and policies for sustainable development.

## **Course Structure - 72 credit points**

### **Part I - 24 credit points**

#### **Year 1 - 24 credit points**

##### **Transition Unit - 3 credit points**

BSC100 Building Blocks for Science Students - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### **Breadth Unit for Degree - 3 credit points**

BSC150 What is Science? - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### **Core Units - 9 credit points**

BIO103 Introduction to Environmental Biology - 3 points  
MURDOCH: S1-internal, S1-external

ENV102 Foundations of the Environment - 3 points  
MURDOCH: S2-internal, S2-external

MAS183 Statistical Data Analysis - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### **General Electives - 9 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

## **Part II - 48 credit points**

### **Year 2 - 24 credit points**

#### **Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

#### **For Primary Major in Cognitive Neuroscience and Health Psychology**

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
MURDOCH: S1-internal

#### **For Primary Majors in the Health Sciences, as listed**

Primary Major in Chiropractic Science, Exercise Physiology, Movement Science, or Sport and Health Science:

BSC206 Introduction to Research Methodology and Evidence Based Practice - 3 points  
MURDOCH: S2-internal

#### **For Primary Majors in Information Technology**

BSC203 Introduction to ICT Research Methods - 3 points  
MURDOCH: S1-internal, S1-external

#### **For All Other Primary Majors**

BSC200 Research in the Physical and Life Sciences - 3 points  
MURDOCH: S1-internal, S1-external

#### **Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

#### **Core Units - 9 credit points**

ENV246 Protected Area Management and Planning - 3 points  
MURDOCH: S1-internal, S1-external

ENV241 Ecology - 3 points  
MURDOCH: S2-internal, S2-external

ENV245 Global and Regional Sustainability - 3 points  
MURDOCH: S2-internal, S2-external

#### **General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

### **Year 3 - 24 credit points**

#### **Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

#### **For Primary Majors in Information Technology**

BSC301 Applied Research Skills in ICT - 3 points  
Not available this year

#### **For All Other Primary Majors**

BSC300 Bachelor of Science Research Skills Unit - 3 points  
Not available this year

#### **Breadth Unit University-Wide - 3 credit points**

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

#### **Core Units - 9 credit points**

ENV328 Environmental Policy and Law - 3 points  
MURDOCH: S2-internal, S2-external

ENV334 Environmental Restoration - 3 points  
Not available this year

ENV303 GIS for Environmental Management and Planning - 3 points  
MURDOCH: S2-internal, S2-external

### General Electives - 9 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

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## ENVIRONMENTAL MANAGEMENT AND SUSTAINABILITY HONOURS (BSC(HONS))

School of Veterinary and Life Sciences

*Bachelor of Science Honours (BSc(Hons)) in Environmental Management and Sustainability*

Course Codes: H1257

Duration: 1 year full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

The aim of the Honours year is to extend the student's grasp of the principles and practice of their subject, to develop ability for independent research, and to facilitate their entry into industry employment.

An Honours qualification of at least 2A is normally required for admission to higher research degree study.

### Admission Requirements (Onshore):

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Credit average (GPA 2); subject to availability of a suitable supervisor and approval by the School Dean.

Students interested in enrolling in Honours are advised to contact the Academic Chair before application to discuss supervision of their potential research project.

English competence.

### Apply Online:

Applications can be made online at <http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

## Course Structure - 24 credit points

### Coursework - 3 credit points

VLS683 Advanced Research Methods for Scientists - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

### Thesis - 21 credit points

VLS545 Honours Thesis in Environmental Management and Sustainability - 21 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

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## ENVIRONMENTAL SCIENCE

### See also:

Environmental Management  
Marine Science

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## ENVIRONMENTAL SCIENCE (BSC)

School of Veterinary and Life Sciences

*Bachelor of Science (BSc) in Environmental Science*

Course Codes: B1317

Duration: 3 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

Murdoch University offers an Environmental Science major at undergraduate level. Environmental Science is interdisciplinary in nature and is designed to enable graduates to contribute, as individuals and through their employment, to the identification and resolution of environmental problems. The major is structured around the themes of air, water, land, biota, people, policy and technology within an integrated environmental management perspective.

While Environmental Science students are trained in the scientific approach to environmental management, they are also expected to acquire a wider perspective to appreciate the human factors involved in the formulation and implementation of environmental policy.

Murdoch's Bachelor of Science is a flexible degree which gives you the opportunity to build deep understanding and practical experience as well as to supplement your studies by engaging with industry and the community on relevant problems. You can even undertake studies through another discipline to broaden your understanding of the way in which science operates in relation to social, business, health and policy environments.

### Admission Requirements (Onshore):

As per normal undergraduate admission requirements. There are no prerequisites for admission but it is highly desirable for students to have undertaken WACE Chemistry 3A/3C and Mathematics 2C/2D.

English competence.

### Special Requirements:

Environmental Science is available externally, although some attendance is required in individual units.

### Employment Prospects:

Environmental Science graduates are well positioned to enter the public and private sectors, to join environmental consulting firms, and to work overseas. Employment opportunities are likely to be enhanced for graduates who continue into either the Graduate Certificate in Environmental Assessment and Management or Graduate Certificate in Environmental Science and then the Master of Environmental Science. Research honours in Environmental Science is also available.

### Recommended Double Majors:

Biological Sciences; Conservation and Wildlife Biology; Marine Science

### Excluded Minors:

Ecosystem Management

## Major Prerequisites

### Chemistry Background

Students who achieved a final scaled score of 60 percent or more in Chemistry 3A/3B within the past three years should seek an

exemption from their Academic Chair for CHE140 Fundamentals of Chemistry. Students who have completed previous chemistry not stated above should also consult their Academic Chair for clarification of their enrolment requirements.

## Course Structure - 72 credit points

### Part I - 24 credit points

#### Year 1 - 24 credit points

##### Transition Unit - 3 credit points

BSC100 Building Blocks for Science Students - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### Breadth Unit for Degree - 3 credit points

BSC150 What is Science? - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### Core Units - 15 credit points

BIO103 Introduction to Environmental Biology - 3 points  
MURDOCH: S1-internal, S1-external

CHE140 Fundamentals of Chemistry - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

ENV102 Foundations of the Environment - 3 points  
MURDOCH: S2-internal, S2-external

MAS183 Statistical Data Analysis - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

CHE144 Foundations of Chemistry - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### General Electives - 3 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

### Part II - 48 credit points

#### Year 2 - 24 credit points

##### Research Skills Unit - 3 credit points

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

##### For Primary Major in Cognitive Neuroscience and Health Psychology

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
MURDOCH: S1-internal

##### For Primary Majors in the Health Sciences, as listed

Primary Major in Chiropractic Science, Exercise Physiology, Movement Science, or Sport and Health Science:

BSC206 Introduction to Research Methodology and Evidence Based Practice - 3 points  
MURDOCH: S2-internal

##### For Primary Majors in Information Technology

BSC203 Introduction to ICT Research Methods - 3 points  
MURDOCH: S1-internal, S1-external

##### For All Other Primary Majors

BSC200 Research in the Physical and Life Sciences - 3 points  
MURDOCH: S1-internal, S1-external

##### Breadth Unit University-Wide - 3 credit points

Select one 200-level University Breadth Unit.

##### Core Units - 9 credit points

ENV242 Atmospheric Science - 3 points

MURDOCH: S1-internal, S1-external

ENV241 Ecology - 3 points  
MURDOCH: S2-internal, S2-external

ENV243 Water and Earth Science - 3 points  
MURDOCH: S1-internal, S1-external

##### General Electives - 9 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

#### Year 3 - 24 credit points

##### Research Skills Unit - 3 credit points

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

##### For Primary Majors in Information Technology

BSC301 Applied Research Skills in ICT - 3 points  
Not available this year

##### For All Other Primary Majors

BSC300 Bachelor of Science Research Skills Unit - 3 points  
Not available this year

##### Breadth Unit University-Wide - 3 credit points

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

##### Core Units - 9 credit points

ENV328 Environmental Policy and Law - 3 points  
MURDOCH: S2-internal, S2-external

ENV331 Environmental Management - 3 points  
Not available this year

ENV332 Managing Wetlands and Water - 3 points  
Not available this year

##### General Electives - 9 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

## ENVIRONMENTAL SCIENCE HONOURS (BSC(HONS))

School of Veterinary and Life Sciences

Bachelor of Science Honours (BSc(Hons)) in Environmental Science

Course Codes: H1257

Duration: 1 year full-time or part-time equivalent

##### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

The aim of the Honours year is to extend the student's grasp of the principles and practice of their subject, to develop ability for independent research, and to facilitate their entry into industry employment.

An Honours qualification of at least 2A is normally required for admission to higher research degree study.

##### Admission Requirements (Onshore):

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Credit average (GPA 2);

subject to availability of a suitable supervisor and approval by the Dean of School. Students interested in enrolling in Honours are advised to contact the Academic Chair before application to discuss supervision of their potential research project.

English competence.

**Apply Online:**

Applications can be made online at <http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

**Course Structure - 24 credit points**

**Coursework - 3 credit points**

VLS683 Advanced Research Methods for Scientists - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Thesis - 21 credit points**

VLS550 Honours Thesis in Environmental Science - 21 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

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## EXERCISE PHYSIOLOGY

**See also:**

Chiropractic  
Sports Science

### EXERCISE PHYSIOLOGY (BSC)

School of Psychology and Exercise Science

*Bachelor of Science (BSc) in Exercise Physiology*

Course Codes: B1317

Duration: 1 year full-time or part-time equivalent following completion of specific majors in a 3-year Bachelor of Science

**Availability:**

- Not currently available to new admissions

Exercise Physiology is a mainstream allied health profession concerned with the delivery of exercise, lifestyle, and behavioural modification programs for the prevention and management of chronic disease and injury. Murdoch graduates of the Exercise Physiology course will possess the skills and ability to provide physical activity and behavioural programs for clients with conditions as diverse as cardiovascular disease, diabetes, osteoporosis, depression, cancer, arthritis, respiratory disease and many others.

**Admission Requirements (Onshore):**

Entry is restricted to students who have completed a double major in Movement Science and Sport and Health Science with a Credit average (GPA 2.0).

English competence.

**Special Requirements:**

A Working with Children Check will be required for some practical placements.

**Employment Prospects:**

Exercise Physiologists may work as part of a healthcare team in a hospital based setting or may establish their own private business.

**Professional Accreditation:**

Graduates of the Exercise Physiology degree will be eligible to apply for accreditation as an Exercise Physiologist with Exercise and Sports Science Australia (ESSA).

**Professional Recognition:**

Exercise Physiologists are eligible to register with Medicare

Australia, the Department of Veterans Affairs and have recognition among a number of health insurers.

**Main Research Areas:**

Exercise Physiology, Exercise Science.

**Course Structure - 24 credit points**

**Part II - 24 credit points**

**Year 4 - 24 credit points**

**Core Units - 24 credit points**

EXS409 Exercise Physiology Practicum - 6 points

EXS401 Cardiopulmonary Rehabilitation - 3 points

CHI520 Professional Practice Management - 3 points

CHI447 Primary Practice VI: Pharmacology - 3 points

EXS402 Neuromuscular Rehabilitation - 3 points

EXS403 Metabolic Rehabilitation - 3 points

EXS404 Advanced Topics in Exercise Physiology - 3 points

## EXERCISE PHYSIOLOGY HONOURS (BSC(HONS))

School of Psychology and Exercise Science

*Bachelor of Science Honours (BSc(Hons)) in Exercise Physiology*

Course Codes: H1257

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

**Admission Requirements (Onshore):**

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Credit average; subject to availability of a suitable supervisor and approval by the Dean of School.

English competence.

**Apply Online:**

Applications can be made online at <http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

**Course Structure - 24 credit points**

**Coursework - 9 credit points**

EXS691 Research Methods in Exercise and Rehabilitation Sciences - 9 points

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Thesis - 15 credit points**

EXS560 Honours Thesis in Exercise Physiology - 15 points

MURDOCH: H-internal, H-external, Y-internal, Y-external

## EXTRACTIVE METALLURGY

### See also:

Mineral Science

## CHEMICAL AND METALLURGICAL ENGINEERING HONOURS (BE(HONS))

School of Engineering and Information Technology

Bachelor of Engineering Honours (BE(Hons)) in Chemical and Metallurgical Engineering

Course Codes: H1264

Duration: 4 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)
- Some units only: Murdoch campus (external)

Extractive Metallurgists are expected to understand the fundamental science of mineral extraction processes and engineering aspects, and operate in an engineering environment, working in the design, commissioning and operation of metallurgical plants.

This course provides training in the core areas of extractive metallurgy: mineral processing, pyrometallurgy, hydrometallurgy and process mineralogy. Units in process control and instrumentation, modelling and simulation, financial management and process economics, and environmental and operational management are included in this course.

### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

It is recommended that students entering this major to have completed WACE Chemistry 3A/3B, Physics 3A/3B and Mathematics: Specialist 3C/3D.

Applicants having other backgrounds will be considered for admission, but may need make-up units in first year, and therefore may need more than one year to complete Part I.

English competence.

### Special Requirements:

Students enrolling in units that have a practical component must make allowance for on-campus attendance to complete the practical work. The on-campus sessions for external students are generally held in a one-week block for each unit; the dates are published in each unit guide.

All students will undertake at least 500 hours of approved work experience, plus complete a report outlining the experience gained, in order to complete the requirements of the degree. This work experience must be in a suitable engineering-related area and be approved by the Engineering Academic Chair.

### Employment Prospects:

The degree will allow graduates to work in the mineral and allied industries including oil and gas, chemical engineering, mineral processing and process consulting. Specific job opportunities include Extractive/General Metallurgist; Mineral Processing Engineer; Hydrometallurgist; Pyrometallurgist; Consulting Metallurgy/Mineral Processing; Research Metallurgy/Mineral Processing; Chemical/Process Engineer.

### Professional Accreditation:

Recognised by the Australasian Institute of Mining and Metallurgy.

### Professional Recognition:

Graduates are eligible for professional membership of the Australasian Institute of Mining and Metallurgy.

### Main Research Areas:

Hydrometallurgy, mineral processing, pyrometallurgy, process mineralogy, minerals chemistry.

### Major Prerequisites

#### Chemistry Background

Students may need to complete prerequisite units depending on their background in chemistry and their final scaled score in Chemistry 3A/3B within the past three years.

Chemistry 3A/3B with a final scaled score of 60 percent or more

OR

CHE140 Fundamentals of Chemistry - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous chemistry not stated above should consult the Academic Chair for clarification of their enrolment requirements.

#### Mathematics Background

Students may need to complete one prerequisite unit depending on their background in mathematics with either a final scaled score of 60 percent or more in Mathematics 3C/3D or a C grade in Mathematics: Specialist 3C/3D within the past three years.

Students without this background will need to complete as a bridging unit:

MAS164 Fundamentals of Mathematics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous mathematics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

#### Physics Background

Students may need to complete prerequisite units depending on their background in physics and their final scaled score in Physics 3A/3B within the past three years.

Physics 3A/3B with a final scaled score of 60 percent or more

OR

PEN120 General Physics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous physics studies not stated above should consult the Academic Chair for clarification of their enrolment requirements.

## Course Structure - 96 credit points

### Part I - 24 credit points

#### Year 1 - 24 credit points

##### Transition Unit - 3 credit points

BEN100 Transitioning into Engineering - 3 points  
MURDOCH: S1-internal, S2-internal

##### Breadth Unit for Degree - 3 credit points

BEN150 Design Concepts in Engineering - 3 points  
MURDOCH: S1-internal

##### Core Units - 18 credit points

ENG193 Introduction to the Minerals Industry - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MAS161 Calculus and Matrix Algebra - 3 points  
MURDOCH: S2-internal, S2-external

MAS182 Applied Mathematics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

ENG109 Engineering Computing Systems - 3 points  
MURDOCH: S2-internal

CHE144 Foundations of Chemistry - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

PEN152 Principles of Physics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

## Part II - 72 credit points

### Year 2 - 24 credit points

#### Breadth Unit University-Wide - 3 credit points

Select one 200-level University Breadth Unit.

#### Core Units - 21 credit points

ENG255 Chemical Process Kinetics - 3 points  
MURDOCH: S1-internal, S1-external

ENG202 Engineering Thermodynamics - 3 points  
MURDOCH: S1-internal, S1-external

ENG205 Process Mineralogy - 3 points  
MURDOCH: S1-internal, S1-external

ENG298 Principles of Process Engineering - 3 points  
MURDOCH: S1-internal

ENG201 Fluid Mechanics - 3 points  
MURDOCH: S2-internal, S2-external

ENG203 Heat and Mass Transfer - 3 points  
MURDOCH: S2-internal, S2-external

MAS221 Mathematical Modelling - 3 points  
MURDOCH: S2-internal, S2-external

### Year 3 - 24 credit points

All Engineering students will undertake at least 500 hours of approved work experience, plus complete a report outlining the experience gained, in order to complete the requirements of the degree. This work experience must be in a suitable engineering-related area and must be approved by the Engineering Academic Chair.

#### Research Skills Unit - 3 credit points

BEN200 Scientific Method in Engineering - 3 points  
MURDOCH: S1-internal

#### Core Units - 21 credit points

ENG328 Mineral Processing I - 3 points  
Not available this year

ENG336 Engineering Finance, Management and Law - 3 points  
Not available this year

ENG335 Reactor Design - 3 points  
Not available this year

ENG325 Pyrometallurgy - 3 points  
Not available this year

ENG299 Control Systems and Process Dynamics - 3 points  
MURDOCH: S2-internal, SUM-internal

ENG329 Mineral Processing II - 3 points  
Not available this year

ENG326 Hydrometallurgy - 3 points  
Not available this year

### Year 4 - 24 credit points

#### Research Skills Unit - 3 credit points

BEN300 Advanced Engineering Research Skills - 3 points  
Not available this year

#### Core Units - 21 credit points

ENG457 Engineering Design Project - 6 points  
MURDOCH: S2-internal

ENG456 Hazard, Safety and Environmental Management - 3 points  
Not available this year

ENG470 Engineering Honours Thesis - 12 points  
MURDOCH: DE2-internal, H-internal, S1-internal, WU3-internal, Y-internal

## FINANCE

### FINANCE (BBUS)

School of Management and Governance

Bachelor of Business (BBus) in Finance

Course Codes: B1318

Duration: 3 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

Students doing the Finance major will cover a broad range of areas in corporate finance, treasury management, investment analysis and international finance. These are designed to equip them with the necessary skills to obtain employment in such areas as stockbroking, insurance and banking as well as preparing them with the skills for careers in finance in public and private sector organisations.

Many issues relevant to the corporate financial manager will be examined including capital investment decisions, cost of capital, sources of funds, dividend policy, working capital management, efficient capital markets, portfolio management, the use of options, futures, forward exchange contracts and other derivative financial instruments. Students will also receive an introduction to international finance. A fourth year of study is available in the form of an honours year.

A Bachelor of Business provides a broad understanding of individual, organisational and societal issues. You will have the practical skills to identify business opportunities, analyse problems and implement solutions and you will be able to demonstrate a knowledge of business principles across key functional areas. You will have depth of knowledge in one or more business disciplines: accounting, banking, business law, economics, finance, hospitality and tourism management, human resources management, international business, management, and marketing.

#### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

#### Professional Recognition:

Graduates are potentially eligible for associate membership of the Financial Services Institute of Australasia (FINSIA). For advice on specific requirements students should contact FINSIA directly.

#### Recommended Double Majors:

Accounting; Banking

### Course Structure - 72 credit points

#### Part I - 24 credit points

##### Year 1 - 24 credit points

##### Transition Unit - 3 credit points

BBS100 Academic Skills for Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

### **Breadth Unit for Degree - 3 credit points**

BBS150 Transforming Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

### **Core Units - 12 credit points**

BUS130 Foundational Mathematics for Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

BUS176 Foundations of Management and Governance - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

BUS170 Foundations of Accounting - 3 points  
MURDOCH: S2-internal, S2-external

BSL165 Foundations of Business Law - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

### **General Electives - 6 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

## **Part II - 48 credit points**

### **Year 2 - 24 credit points**

#### **Research Skills Unit - 3 credit points**

BBS200 Business Research: An Integrated Approach - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

#### **Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

#### **Core Units - 9 credit points**

BSL201 Finance Law - 3 points  
MURDOCH: S1-internal, S1-external

BUS286 Corporate Finance - 3 points  
MURDOCH: S2-internal, S2-external

BUS288 Treasury Management - 3 points  
MURDOCH: S1-internal, S1-external

#### **General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

### **Year 3 - 24 credit points**

#### **Research Skills Unit - 3 credit points**

BBS300 Empirical Research Methods for Business - 3 points  
Not available this year

OR

BBS301 Business Research: Integrated and Mixed Methods - 3 points  
Not available this year

#### **Breadth Unit University-Wide - 3 credit points**

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

#### **Core Units - 9 credit points**

BUS329 Investment Analysis - 3 points  
Not available this year

BUS330 International Finance - 3 points  
Not available this year

BUS333 Derivative Securities - 3 points  
Not available this year

### **General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

## **FINANCE (BCOM)**

School of Management and Governance

Bachelor of Commerce (BCom) in Finance

Course Codes: B1003 B1003A

Duration: 3 years full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal) (no new admissions from 2015 at this location for first-year commencing students)
- Murdoch campus (external) (no new admissions from 2015 at this location for first-year commencing students)
- SMF Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced by a Bachelor of Business)
- Kaplan Higher Education Institute and Kaplan Higher Education Academy (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced by a Bachelor of Business)
- Murdoch University International Study Centre (Dubai, UAE) ['DUBAI-ISC'] (internal) (by formal agreement) (language of instruction: English)

Students doing the Finance major will cover a broad range of areas in corporate finance, treasury management, investment analysis and international finance. These are designed to equip them with the necessary skills to obtain employment in such areas as stockbroking, insurance and banking as well as preparing them with the skills for careers in finance in public and private sector organisations.

Many issues relevant to the corporate financial manager will be examined including capital investment decisions, cost of capital, sources of funds, dividend policy, working capital management, efficient capital markets, portfolio management, the use of options, futures, forward exchange contracts and other derivative financial instruments. Students will also receive an introduction to international finance. A fourth year of study is available in the form of an honours year.

#### **Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

#### **Professional Recognition:**

Graduates are potentially eligible for associate membership of the Financial Services Institute of Australasia (FINSIA). For advice on specific requirements students should contact FINSIA directly.

## **Course Structure - 72 credit points**

### **Part I - 24 credit points**

#### **Foundation Unit - 3 credit points**

From 2014, Foundation units will no longer be offered at the Murdoch Campus. Students who have not yet successfully completed a Foundation unit will be required to enrol in the following Transition Unit.

BBS100 Academic Skills for Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Students enrolled at the Dubai or Kaplan campus will enrol in:

FDN107 Next Life - 3 points  
DUBAI-ISC: TJD-internal, TMD-internal, TSD-internal  
KAPLAN-SGP: TMA-internal, TSA-internal

### Core Units - 15 credit points

BUS160 Introduction to Accounting - 3 points  
DUBAI-ISC: TJD-internal, TSD-internal

OR

BUS170 Foundations of Accounting - 3 points  
MURDOCH: S2-internal, S2-external

BSL165 Foundations of Business Law - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

OR

BUS165 Principles of Commercial Law - 3 points  
DUBAI-ISC: TJD-internal, TSD-internal

BUS161 Introduction to Economics - 3 points  
DUBAI-ISC: TMD-internal

OR

BUS171 Foundations of Economics - 3 points  
MURDOCH: S1-external, S2-internal, S2-external

MAS180 Introduction to Statistics - 3 points  
MURDOCH: S1-external, S2-external  
DUBAI-ISC: TMD-internal

BUS140 Principles of Finance and Banking - 3 points  
DUBAI-ISC: TMD-internal

OR

BUS130 Foundational Mathematics for Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

### General Electives - 6 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

### Part II - 48 credit points

#### Core Units - 24 credit points

BSL206 Finance Law - 4 points

OR

BSL201 Finance Law - 3 points  
MURDOCH: S1-internal, S1-external

OR

BUS206 Finance Law - 4 points  
DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TJA-internal, TSA-internal  
SGP1: TJB-internal, TSB-internal  
(no longer available at Murdoch campus: contact the Academic Chair for advice)

BUS224 Corporate Finance - 4 points  
DUBAI-ISC: TMD-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal  
SGP1: TJB-internal, TSB-internal  
(no longer available at Murdoch campus: contact the Academic

Chair for advice)

BUS244 Treasury Management - 4 points  
DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal  
SGP1: TJB-internal, TSB-internal  
(no longer available at Murdoch campus: contact the Academic Chair for advice)

BUS311 Investment Analysis - 4 points  
MURDOCH: S1-internal, S1-external  
DUBAI-ISC: TMD-internal  
KAPLAN-SGP: TMA-internal  
SGP1: TMB-internal

BUS322 International Finance - 4 points  
MURDOCH: S2-internal, S2-external  
DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TJA-internal, TSA-internal  
SGP1: TJB-internal, TSB-internal

BUS325 Derivative Securities - 4 points  
MURDOCH: S2-internal, S2-external  
DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TJA-internal, TSA-internal  
SGP1: TJB-internal, TSB-internal

### General Electives - 24 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

Recommended for General Elective points only:

The following unit is no longer available - contact the Academic Chair for advice:

BUS204 Business and Technical Communication - 4 points

BUS267 Work-Based Learning - 3 points  
MURDOCH: S1-internal (quota of 50 places)

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## FINANCE HONOURS (BBUS(HONS))

School of Management and Governance

Bachelor of Business Honours (BBus(Hons)) in Finance

Course Codes: H1255

Duration: 1 year full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop the ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

#### Admission Requirements (Onshore):

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Distinction average in units relating to the planned Honours study and a Distinction average overall. Subject to availability of a suitable supervisor and approval by the Dean of School.

English competence.

#### Apply Online:

Applications can be made online at  
<http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>



**Course Structure - 24 credit points****Coursework - 12 credit points****Core Units - 9 credit points**

MBS516 Advanced Honours Topic A - 3 points  
MURDOCH: S1-internal, S2-internal, Y-internal

MBS512 Advanced Honours Topic B - 3 points  
MURDOCH: S1-internal, S2-internal, Y-internal

MBS517 Advanced Honours Research Preparation - 3 points  
MURDOCH: S1-internal, S2-internal

**Elective Unit - 3 credit points**

Any 500 level unit - 3 points

**Thesis - 12 credit points**

MBS519 Honours Thesis - 12 points  
MURDOCH: S1-internal, S2-internal, Y-internal

**FORENSIC BIOLOGY****See also:**

Biomedical Science  
Laboratory Medicine  
Molecular Biology

**FORENSIC BIOLOGY AND TOXICOLOGY (BSC)**

School of Veterinary and Life Sciences

*Bachelor of Science (BSc) in Forensic Biology and Toxicology*

Course Codes: B1317

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Some units only: Murdoch campus (external)

Forensic Biology and Toxicology is concerned with the application of the techniques of molecular biology (DNA profiling) and analytical chemistry (drug and alcohol analysis) to the fight against crime. The major provides in-depth study of modern molecular genetics including practical training in the techniques of genetic analysis such as the polymerase chain reaction (PCR) and the use of STRs (short tandem repeats) and SNPs (single nucleotide polymorphisms) to identify regions of DNA. The application of these techniques to the analysis of ancient DNA is also discussed. Training is provided by forensic science professionals in forensic pathology, forensic anthropology and human identification, forensic toxicology and in forensic botany with an emphasis on the gathering of forensic evidence and its presentation in Court.

The major also provides hands-on experience in modern analytical techniques associated with the detection of legal and illicit drugs and homicidal poisons including gas chromatography, HPLC, NMR and mass spectrometry. The major integrates thorough training in biochemistry, including aspects of drug metabolism with case studies chosen from a wide range of forensic areas.

Opportunities may also be available to participate in a professional experience program, focusing on crime scene investigation with the Western Australian Police (WAPOL).

Murdoch's Bachelor of Science is a flexible degree which gives you the opportunity to build deep understanding and practical experience as well as to supplement your studies by engaging with industry and the community on relevant problems. You can even undertake studies through another discipline to broaden your understanding of the way in which science operates in relation to social, business, health and policy environments.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements. There are no prerequisites for admission but it is highly desirable for students to have undertaken TEE Chemistry or WACE Chemistry 3A/3B and at least TEE Discrete Mathematics or WACE Mathematics 2C/2D.

English competence.

**Special Requirements:**

Students undertaking units in Forensic Biology and Toxicology will not be required to kill any vertebrate animal but they will be required to work with fresh tissues from dead animals in certain units. Students will also be exposed to graphic images of homicidal injuries and to human cadavers.

**Employment Prospects:**

The establishment of a national DNA database and the increasing emphasis on the monitoring of blood and urine samples for residual alcohol and drugs has seen a significant increase in employment opportunities for forensic biologists and toxicologists, particularly in government Health Departments and in analytical laboratories. The techniques of genetic analysis and analytical chemistry are highly transportable and graduates can also expect to obtain employment in hospitals, research organisations such as the CSIRO and in medical research centres, agriculture departments, food processing companies or in the pharmaceutical industry. Graduates have found employment as Crime Scene Officers with Police services and as Forensic Biologists with Health Departments.

**Professional Recognition:**

Students are encouraged to combine Forensic Biology and Toxicology with another major such as Biomedical Science, Molecular Biology, Criminology or Chemistry so as to complete a double major. Students who complete the double major in Forensic Biology and Toxicology and Chemistry are eligible for membership of the Royal Australian Chemical Institute (RACI).

**Recommended Double Majors:**

Biomedical Science; Chemistry; Criminology; Molecular Biology

**Excluded Minors:**

Forensic Biology

**Main Research Areas:**

Medical, forensic and agricultural genetic analysis; wildlife forensics; ancient DNA reconstruction; crime scene contamination; molecular toxicology and drug analysis.

**Major Prerequisites****Chemistry Background**

Students who achieved a final scaled score of 60 percent or more in Chemistry 3A/3B within the past three years should seek an exemption from their Academic Chair for CHE140 Fundamentals of Chemistry. Students who have completed previous chemistry not stated above should also consult their Academic Chair for clarification of their enrolment requirements.

**Course Structure - 72 credit points****Part I - 24 credit points****Year 1 - 24 credit points****Transition Unit - 3 credit points**

BSC100 Building Blocks for Science Students - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Breadth Unit for Degree - 3 credit points**

BSC150 What is Science? - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Core Units - 15 credit points**

CHE103 Introduction to Forensic Science - 3 points

MURDOCH: S1-internal

CHE140 Fundamentals of Chemistry - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

BIO152 Foundations of Cell and Molecular Biology - 3 points  
MURDOCH: S2-internal

CHE144 Foundations of Chemistry - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MAS183 Statistical Data Analysis - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

### General Electives - 3 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

## Part II - 48 credit points

### Year 2 - 24 credit points

#### Research Skills Unit - 3 credit points

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

#### For Primary Major in Cognitive Neuroscience and Health Psychology

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
MURDOCH: S1-internal

#### For Primary Majors in the Health Sciences, as listed

Primary Major in Chiropractic Science, Exercise Physiology, Movement Science, or Sport and Health Science:

BSC206 Introduction to Research Methodology and Evidence Based Practice - 3 points  
MURDOCH: S2-internal

#### For Primary Majors in Information Technology

BSC203 Introduction to ICT Research Methods - 3 points  
MURDOCH: S1-internal, S1-external

#### For All Other Primary Majors

BSC200 Research in the Physical and Life Sciences - 3 points  
MURDOCH: S1-internal, S1-external

### Breadth Unit University-Wide - 3 credit points

Select one 200-level University Breadth Unit.

### Core Units - 9 credit points

BIO282 Molecular Biology - 3 points  
MURDOCH: S1-internal

BIO247 Biochemistry 1 - 3 points  
MURDOCH: S2-internal

BMS213 Forensic Anatomy and Anthropology - 3 points  
MURDOCH: S1-internal

### General Electives - 9 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

### Year 3 - 24 credit points

#### Research Skills Unit - 3 credit points

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

#### For Primary Majors in Information Technology

BSC301 Applied Research Skills in ICT - 3 points  
Not available this year

#### For All Other Primary Majors

BSC300 Bachelor of Science Research Skills Unit - 3 points  
Not available this year

### Breadth Unit University-Wide - 3 credit points

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

### Core Units - 9 credit points

BIO315 Bodies of Evidence - 3 points  
Not available this year

BIO359 Forensic DNA Analysis - 3 points  
Not available this year

BIO367 Forensic Toxicology - 3 points  
Not available this year

### General Electives - 9 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

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## FORENSIC BIOLOGY AND TOXICOLOGY HONOURS (BSC(HONS))

School of Veterinary and Life Sciences

Bachelor of Science Honours (BSc(Hons)) in Forensic Biology and Toxicology

Course Codes: H1257

Duration: 1 year full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

The aim of the Honours year is to extend the student's grasp of the principles and practice of their subject, to develop ability for independent research, and to facilitate their entry into industry employment.

An Honours qualification of at least 2A is normally required for admission to higher research degree study.

#### Admission Requirements (Onshore):

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Credit average (GPA 2); subject to availability of a suitable supervisor and approval by the School Dean.

Students interested in enrolling in Honours are advised to contact the Academic Chair before application to discuss supervision of their potential research project.

English competence.

#### Apply Online:

Applications can be made online at <http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

### Course Structure - 24 credit points

#### Coursework - 3 credit points

VLS683 Advanced Research Methods for Scientists - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Thesis - 21 credit points**

VLS520 Honours Thesis in Forensic Biology and Toxicology - 21 points

MURDOCH: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

**GAMES ART AND DESIGN****GAMES ART AND DESIGN (BA)**

School of Arts

*Bachelor of Arts (BA) in Games Art and Design*

Course Codes: B1316

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

Currently Australians spend more money on video games than film and television industries combined. The major in Games Art and Design is designed to help students take advantage of this growing global market. Taught by international games production experts, the course will provide students with three parts to a career in Games Art and Design: Production Art for 3D modelling, animation, and texture painting; Concept Art for 2D illustration and character design; and Game Designers, for level design and construction and high-level game development.

In the Bachelor of Arts you will develop a broad understanding of your field and proficiency in producing written and oral arguments and creative artifacts in response to social, human and natural phenomena. You will also develop a critical appreciation of the perspectives of others. As an Arts graduate you will be able to think critically and creatively, apply knowledge and information, and communicate effectively. These are professional skills which are critical across a range of industries. You will also be able to pursue further study in the fields of social research, the humanities and/or the creative arts.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

**Employment Prospects:**

Concept Artist, Technical Artist, Animator, Character Modeller, Game Designer, Environment Modeller, Production Artist, Matte and Texture Painter, Game-Play Tester, Lighting Artist, Level Designer.

**Recommended Double Majors:**

Graphic Design

**Excluded Minors:**

3D Animation

**Main Research Areas:**

Games Art and Design, Games Theory, Graphic Design.

**Course Structure - 72 credit points****Part I - 24 credit points****Year 1 - 24 credit points****Transition Unit - 3 credit points**

BAR100 Academic Learning Skills - 3 points

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Breadth Unit for Degree - 3 credit points**

BAR150 Ideas and Identity - 3 points

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Core Units - 9 credit points**

GAD172 Drawing - 3 points

MURDOCH: S1-internal

GAD154 Introduction to Games Art and Design - 3 points

MURDOCH: S2-internal

GAD164 3D Modelling - 3 points

MURDOCH: S1-internal

**General Electives - 9 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Part II - 48 credit points****Year 2 - 24 credit points****Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

**For Primary Major in Social and Developmental Psychology**

BSC201 Psychology: Measurement, Design and Analysis - 3 points

MURDOCH: S1-internal

**For All Other Primary Majors**

BAR200 Developing Research Skills and Methods - 3 points

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

**Core Units - 6 credit points**

GAD261 Games Art - 3 points

MURDOCH: S1-internal

GAD232 Critical Games, Play and Design - 3 points

MURDOCH: S2-internal

**Specified Electives - 3 credit points**

Select from the Specified Elective Unit List below.

**General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Year 3 - 24 credit points****Research Skills Unit - 3 credit points**

BAR300 Bachelor of Arts Research Skills Unit - 3 points

Not available this year

**Breadth Unit University-Wide - 3 credit points**

BRD350 University Breadth in Practice Unit - 3 points

Not available this year

**Core Unit - 3 credit points**

GAD362 Games Project - 3 points

Not available this year

**Specified Electives - 6 credit points**

Select from the Specified Elective Unit List below.

**General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University,

subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

#### Specified Elective Unit List

Select Specified Electives from the following units during Years 2 and 3, subject to individual unit prerequisites. At least two units must be at 300 level.

#### Concept Art

GAD241 Animation - 3 points  
MURDOCH: S1-internal

GAD373 Drawing Studio - 3 points  
Not available this year

GAD374 Digital Painting - 3 points  
Not available this year

#### Games Design

ICT288 Games Software Design - 3 points  
MURDOCH: S1-internal, S1-external

GAD375 Games Design Studio - 3 points  
Not available this year

IDD379 Mobile App and Interaction Design - 3 points  
Not available this year

#### Production Art

GAD241 Animation - 3 points  
MURDOCH: S1-internal

GAD363 Advanced 3D Modelling - 3 points  
Not available this year

GAD365 3D Animation - 3 points  
Not available this year

## GAMES ART AND DESIGN HONOURS (BA(HONS))

School of Arts

Bachelor of Arts Honours (BA(Hons)) in Games Art and Design

Course Codes: H1256

Duration: 1 year full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practices of their subject, and to develop the ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

#### Admission Requirements (Onshore):

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Distinction average; subject to availability of a suitable supervisor and approval by the Associate Dean (Learning and Teaching) of the School.

English competence.

#### Apply Online:

Applications can be made online at  
<http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

### Course Structure - 24 credit points

#### Coursework - 12 credit points

ART503 Honours Seminar in Arts - 3 points

MURDOCH: S1-internal

ART604 Advanced Research Methods - 3 points

MURDOCH: S1-internal, S1-external

GAD567 Honours Topic in Games Art and Design A - 3 points

MURDOCH: S1-internal, S2-internal, Y-internal

GAD568 Honours Topic in Games Art and Design B - 3 points

MURDOCH: S1-internal, S2-internal, Y-internal

#### Thesis - 12 credit points

GAD569 Honours Thesis in Games Art and Design - 12 points

MURDOCH: S1-internal, S2-internal, Y-internal

## GAMES SOFTWARE DESIGN AND PRODUCTION

### GAMES SOFTWARE DESIGN AND PRODUCTION (BSC)

School of Engineering and Information Technology

Bachelor of Science (BSc) in Games Software Design and Production

Course Codes: B1317

Duration: 3 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

The Games Software Design and Production major prepares and provides students with a thorough understanding of the theory of games software design, development and processes involved in the production of computer, mobile and video games. The required topics include but are not limited to 3D graphics and animations, games software design, games mechanics, games software development and production, and interaction design. Students will gain practical experience in the games design and development processes using games development tools.

Murdoch's Bachelor of Science is a flexible degree which gives you the opportunity to build deep understanding and practical experience as well as to supplement your studies by engaging with industry and the community on relevant problems. You can even undertake studies through another discipline to broaden your understanding of the way in which science operates in relation to social, business, health and policy environments.

#### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

#### Special Requirements:

There may be some reduction in choice of units if completing this course in the external mode. Individual units may require access to specific nominated software.

#### Employment Prospects:

Excellent career opportunities exist in this rapidly expanding industry both locally, nationally and internationally.

#### Professional Recognition:

The Australian Computer Society (ACS) will be the accrediting body. Accreditation will take place as soon as possible after the major becomes available.

#### Recommended Double Majors:

Business Information Systems; Computer Science; Cyber Forensics and Information Security; Internetworking and Network Security; Mobile and Web Application Development

**Excluded Minors:**

Games Design

**Course Structure - 72 credit points****Part I - 24 credit points****Year 1 - 24 credit points****Transition Unit - 3 credit points**

BSC100 Building Blocks for Science Students - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Breadth Unit for Degree - 3 credit points**

BSC150 What is Science? - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Core Units - 15 credit points**

ICT167 Principles of Computer Science - 3 points  
MURDOCH: S2-internal, S2-external

ICT159 Foundations of Programming - 3 points  
MURDOCH: S1-internal, S1-external

ICT169 Foundations of Data Communications - 3 points  
MURDOCH: S2-internal, S2-external

MAS162 Foundations of Discrete Mathematics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

ICT170 Foundations of Computer Systems - 3 points  
MURDOCH: S2-internal, S2-external

**General Electives - 3 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Recommended General Electives**

ICT101 Introduction to 3D Graphics and Animation - 3 points  
Not available this year

**Part II - 48 credit points****Year 2 - 24 credit points****Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

**For Primary Major in Cognitive Neuroscience and Health Psychology**

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
MURDOCH: S1-internal

**For Primary Majors in the Health Sciences, as listed**

Primary Major in Chiropractic Science, Exercise Physiology, Movement Science, or Sport and Health Science:

BSC206 Introduction to Research Methodology and Evidence Based Practice - 3 points  
MURDOCH: S2-internal

**For Primary Majors in Information Technology**

BSC203 Introduction to ICT Research Methods - 3 points  
MURDOCH: S1-internal, S1-external

**For All Other Primary Majors**

BSC200 Research in the Physical and Life Sciences - 3 points  
MURDOCH: S1-internal, S1-external

**Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

**Core Units - 9 credit points**

ICT284 Systems Analysis and Design - 3 points  
MURDOCH: S1-internal, S1-external

ICT288 Games Software Design - 3 points  
MURDOCH: S1-internal, S1-external

ICT285 Databases - 3 points  
MURDOCH: S2-internal, S2-external

**General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Year 3 - 24 credit points****Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

**For Primary Majors in Information Technology**

BSC301 Applied Research Skills in ICT - 3 points  
Not available this year

**For All Other Primary Majors**

BSC300 Bachelor of Science Research Skills Unit - 3 points  
Not available this year

**Breadth Unit University-Wide - 3 credit points**

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

**Core Units - 9 credit points**

ICT396 User Interface Design - 3 points  
Not available this year

ICT367 Games Software Production - 3 points  
Not available this year

ICT365 Software Development Frameworks - 3 points  
Not available this year

**General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Recommended General Electives**

ICT319 Intelligent Systems - 3 points  
Not available this year

**GAMES SOFTWARE DESIGN AND PRODUCTION HONOURS (BSC(HONS))**

School of Engineering and Information Technology

Bachelor of Science Honours (BSc(Hons)) in Games Software Design and Production

Course Codes: H1257

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

The aim of Honours is to provide training in research and the development of higher-level skills. The student's grasp of the principles and practice of their subject will be extended and they

will develop ability for independent research.

Successful completion of the Honours course is required for admission to research degrees (i.e. Masters or PhD degrees).

**Admission Requirements (Onshore):**

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Distinction average; subject to availability of a suitable supervisor and approval by the Associate Dean (Learning and Teaching) of the School.

English competence.

**Apply Online:**

Applications can be made online at <http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

**Course Structure - 24 credit points**

**Coursework - 12 credit points**

ICT615 Information Technology Research Methods - 3 points  
MURDOCH: S1-internal

ICT576 Information Technology Literature Review - 3 points  
MURDOCH: S1-internal, S2-internal

Plus another two 500-level IT units approved by the Academic Chair.

**Thesis - 12 credit points**

ICT550 Honours Thesis in Games Software Design and Production - 12 points  
Not available this year

**GAMES TECHNOLOGY**

**GAMES TECHNOLOGY (BSC)**

School of Engineering and Information Technology

*Bachelor of Science (BSc) in Games Technology*

Course Codes: B1317

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

The Games Technology major prepares and provides students with a thorough understanding of the theory, design and programming techniques required for developing games, simulation and visualisation software applications. The required topics include but are not limited to introduction to programming, games engine design, games mechanics, graphics programming, virtual environment, multi-user games programming and advanced games production using software development tools.

Murdoch's Bachelor of Science is a flexible degree which gives you the opportunity to build deep understanding and practical experience as well as to supplement your studies by engaging with industry and the community on relevant problems. You can even undertake studies through another discipline to broaden your understanding of the way in which science operates in relation to social, business, health and policy environments.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

**Employment Prospects:**

Excellent career opportunities exist in this rapidly expanding industry, both locally and internationally. Graduates will also find

employment in many areas of the Information Technology industry.

**Professional Recognition:**

Graduates of this degree are eligible for membership of the Australian Computer Society at the Professional Level.

**Recommended Double Majors:**

Computer Science; Mobile and Web Application Development

**Course Structure - 72 credit points**

**Part I - 24 credit points**

**Year 1 - 24 credit points**

**Transition Unit - 3 credit points**

BSC100 Building Blocks for Science Students - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Breadth Unit for Degree - 3 credit points**

BSC150 What is Science? - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Core Units - 15 credit points**

ICT167 Principles of Computer Science - 3 points  
MURDOCH: S2-internal, S2-external

ICT159 Foundations of Programming - 3 points  
MURDOCH: S1-internal, S1-external

ICT169 Foundations of Data Communications - 3 points  
MURDOCH: S2-internal, S2-external

MAS162 Foundations of Discrete Mathematics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

ICT170 Foundations of Computer Systems - 3 points  
MURDOCH: S2-internal, S2-external

**General Electives - 3 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Recommended General Electives**

ICT101 Introduction to 3D Graphics and Animation - 3 points  
Not available this year

**Part II - 48 credit points**

**Year 2 - 24 credit points**

**Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

**For Primary Major in Cognitive Neuroscience and Health Psychology**

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
MURDOCH: S1-internal

**For Primary Majors in the Health Sciences, as listed**

Primary Major in Chiropractic Science, Exercise Physiology, Movement Science, or Sport and Health Science:

BSC206 Introduction to Research Methodology and Evidence Based Practice - 3 points  
MURDOCH: S2-internal

**For Primary Majors in Information Technology**

BSC203 Introduction to ICT Research Methods - 3 points  
MURDOCH: S1-internal, S1-external

**For All Other Primary Majors**

BSC200 Research in the Physical and Life Sciences - 3 points  
MURDOCH: S1-internal, S1-external

**Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

**Core Units - 9 credit points**

ICT283 Data Structures and Abstractions - 3 points  
MURDOCH: S1-internal, S1-external

ICT289 Computer Graphics Principles and Programming - 3 points  
MURDOCH: S1-internal, S1-external

ICT290 Games Design and Programming - 3 points  
MURDOCH: S2-internal, S2-external

**General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Year 3 - 24 credit points****Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

**For Primary Majors in Information Technology**

BSC301 Applied Research Skills in ICT - 3 points  
Not available this year

**For All Other Primary Majors**

BSC300 Bachelor of Science Research Skills Unit - 3 points  
Not available this year

**Breadth Unit University-Wide - 3 credit points**

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

**Core Units - 9 credit points**

ICT397 Advanced Games Design and Programming - 3 points  
Not available this year

ICT371 Game Development - 3 points  
Not available this year

ICT398 Virtual Environments for Games and Simulations - 3 points  
Not available this year

**General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Recommended General Electives**

ICT319 Intelligent Systems - 3 points  
Not available this year

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## **GAMES TECHNOLOGY HONOURS (BSC(HONS))**

School of Engineering and Information Technology

Bachelor of Science Honours (BSc(Hons)) in Games Technology

Course Codes: H1257

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

The aim of Honours is to provide training in research and the development of higher-level skills. The student's grasp of the principles and practice of their subject will be extended and they will develop ability for independent research.

Successful completion of the Honours course is required for admission to research degrees (i.e. Masters or PhD degrees).

**Admission Requirements (Onshore):**

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Distinction average; subject to availability of a suitable supervisor and approval by the Associate Dean (Learning and Teaching) of the School.

English competence.

**Apply Online:**

Applications can be made online at  
<http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

**Course Structure - 24 credit points****Coursework - 12 credit points**

ICT615 Information Technology Research Methods - 3 points  
MURDOCH: S1-internal

ICT576 Information Technology Literature Review - 3 points  
MURDOCH: S1-internal, S2-internal

Plus another two 500-level IT units approved by the Academic Chair.

**Thesis - 12 credit points**

ICT570 Honours Thesis in Games Technology - 12 points  
Not available this year

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## **GRAPHIC DESIGN**

**GRAPHIC DESIGN (BA)**

School of Arts

Bachelor of Arts (BA) in Graphic Design

Course Codes: B1316

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

The Bachelor of Arts in Graphic Design focuses on the generation of ideas and the creative ways they can be visually communicated across a range of print and digital media. Throughout the degree students will master industry specific software, critical design thinking, visual problem solving and authentic production techniques through a range of industry relevant projects. In the final year students will work with real world clients and develop a portfolio encompassing both print (branding and publication design) as well as digital environments (web and mobile app design) for a dynamic and rapidly changing global industry.

In the Bachelor of Arts you will develop a broad understanding of your field and proficiency in producing written and oral arguments and creative artifacts in response to social, human and natural phenomena. You will also develop a critical appreciation of the perspectives of others. As an Arts graduate you will be able to think critically and creatively, apply knowledge and information, and communicate effectively. These are professional skills which are critical across a range of industries. You will also be able to pursue further study in the fields of social research, the humanities and/or

the creative arts.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

**Employment Prospects:**

Graduates are particularly suited for careers in all aspects of Graphic Design including publication and prepress design, branding and identity design, information design, signage design, digital design, web design and or development, mobile app design, interaction design, interface design and digital content development.

**Professional Recognition:**

The Bachelor of Arts (Graphic Design) is a nationally accredited and registered award in tertiary education. Graduates are eligible to apply for Associate Status with the Design Institute of Australia (DIA) and the Australian Graphic Design Association (AGDA).

**Recommended Double Majors:**

Games Art and Design; Photography; Screen Production; Web Communication

**Recommended Minors:**

Organisational Psychology

**Excluded Minors:**

Print Design; Web Design

**Main Research Areas:**

Graphic Design, print design, web design, mobile app design, visual communication, multimedia design, interaction design, interface design, branding and identity design, information design, digital design.

**Course Structure - 72 credit points**

**Part I - 24 credit points**

**Year 1 - 24 credit points**

**Transition Unit - 3 credit points**

BAR100 Academic Learning Skills - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Breadth Unit for Degree - 3 credit points**

BAR150 Ideas and Identity - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Core Units - 9 credit points**

IDD129 Introduction to Digital Media Skills - 3 points  
MURDOCH: S1-internal

IDD118 Introduction to Graphic Design - 3 points  
MURDOCH: S2-internal

GAD172 Drawing - 3 points  
MURDOCH: S1-internal

**General Electives - 9 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Part II - 48 credit points**

**Year 2 - 24 credit points**

**Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

**For Primary Major in Social and Developmental**

**Psychology**

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
MURDOCH: S1-internal

**For All Other Primary Majors**

BAR200 Developing Research Skills and Methods - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

**Core Units - 9 credit points**

WEB263 Web Design - 3 points  
MURDOCH: S1-internal

IDD201 Publication Design - 3 points  
MURDOCH: S2-internal

IDD202 Brand and Identity Design - 3 points  
MURDOCH: S1-internal

**General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

Recommended:

GAD232 Critical Games, Play and Design - 3 points  
MURDOCH: S2-internal

**Year 3 - 24 credit points**

**Research Skills Unit - 3 credit points**

BAR300 Bachelor of Arts Research Skills Unit - 3 points  
Not available this year

**Breadth Unit University-Wide - 3 credit points**

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

**Core Units - 9 credit points**

IDD379 Mobile App and Interaction Design - 3 points  
Not available this year

IDD337 Portfolio and Promotion for Designers - 3 points  
Not available this year

IDD338 Advanced Web Design - 3 points  
Not available this year

**General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

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**GRAPHIC DESIGN HONOURS (BA(HONS))**

School of Arts

Bachelor of Arts Honours (BA(Hons)) in Graphic Design

Course Codes: H1256

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practices of their subject, and to develop the ability



for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

**Admission Requirements (Onshore):**

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Distinction average; subject to availability of a suitable supervisor and approval by the Associate Dean (Learning and Teaching) of the School.

English competence.

**Apply Online:**

Applications can be made online at <http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

**Course Structure - 24 credit points**

**Coursework - 12 credit points**

ART503 Honours Seminar in Arts - 3 points  
MURDOCH: S1-internal

ART604 Advanced Research Methods - 3 points  
MURDOCH: S1-internal, S1-external

IDD561 Honours Topic in Graphic Design A - 3 points  
MURDOCH: S1-internal, S2-internal, Y-internal

IDD562 Honours Topic in Graphic Design B - 3 points  
MURDOCH: S1-internal, S2-internal, Y-internal

**Thesis - 12 credit points**

IDD569 Honours Thesis in Graphic Design - 12 points  
MURDOCH: S1-internal, S2-internal, Y-internal

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## HISTORY

### HISTORY (BA)

School of Arts

*Bachelor of Arts (BA) in History*

Course Codes: B1316

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

History means making sense of our world by understanding how things come to be the way they are today. History gives us a sense of who we are as individuals and as members of society. The study of History trains the mind to analyse ideas and theories about human action by looking at the evidence of the past. History is also a discipline which sharpens our critical faculties as well as broadening our understanding of the human condition.

In the Bachelor of Arts you will develop a broad understanding of your field and proficiency in producing written and oral arguments and creative artifacts in response to social, human and natural phenomena. You will also develop a critical appreciation of the perspectives of others. As an Arts graduate you will be able to think critically and creatively, apply knowledge and information, and communicate effectively. These are professional skills which are critical across a range of industries. You will also be able to pursue further study in the fields of social research, the humanities and/or the creative arts.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

**Special Requirements:**

There may be a reduction in choice of units if completing this course in the external mode.

**Employment Prospects:**

The study of history promotes generic and applied skills (literary, analytical and communicatory) appropriate to a broad range of careers in both public and private sectors of the economy.

**Recommended Double Majors:**

Asian Studies; Philosophy; Politics and International Studies; Security, Terrorism and Counterterrorism Studies; Security, Terrorism and Counterterrorism Studies (OUA); Sociology

**Excluded Minors:**

Modern History

**Main Research Areas:**

American, Asian, Australian, British, French, Irish and Pacific history.

**Languages and Writing Skills:**

History students are strongly encouraged to include a writing unit in their selection of a general elective at either Part I or Part II. It is also recommended that students consider studying a language other than English, with Indonesian, Japanese, Biblical Hebrew and New Testament Greek, all available at Murdoch through the Asian Studies or Theology courses.

**Course Structure - 72 credit points**

**Part I - 24 credit points**

**Year 1 - 24 credit points**

**Transition Unit - 3 credit points**

BAR100 Academic Learning Skills - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Breadth Unit for Degree - 3 credit points**

BAR150 Ideas and Identity - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Core Units - 6 credit points**

HIS181 Introduction to History - 3 points  
MURDOCH: S1-internal, S1-external

HIS182 Making of the Modern World - 3 points  
MURDOCH: S2-internal, S2-external

**General Electives - 12 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Part II - 48 credit points**

**Year 2 - 24 credit points**

**Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

**For Primary Major in Social and Developmental Psychology**

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
MURDOCH: S1-internal

**For All Other Primary Majors**

BAR200 Developing Research Skills and Methods - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

#### **Core Unit - 3 credit points**

HIS200 Approaches to History - 3 points  
MURDOCH: S2-internal, S2-external

#### **Specified Electives - 6 credit points**

Select from the Specified Elective Unit List below.

#### **General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

#### **Year 3 - 24 credit points**

##### **Research Skills Unit - 3 credit points**

BAR300 Bachelor of Arts Research Skills Unit - 3 points  
Not available this year

##### **Breadth Unit University-Wide - 3 credit points**

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

##### **Core Unit - 3 credit points**

HIS300 Creating History - 3 points  
Not available this year

##### **Specified Electives - 6 credit points**

Select from the Specified Elective Unit List below.

##### **General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

##### **Specified Elective Unit List**

Select Specified Electives from the following units during Years 2 and 3, subject to individual unit prerequisites. At least two units must be at 300 level.

Units will normally be available at least once every two years.

In addition, Special Topics are available from time to time and may be used as a Specified Elective. Students should consult the Academic Chair to confirm the offering in any particular year.

HIS250 Hollywood and History - 3 points  
MURDOCH: S2-internal, S2-external

HIS302 Australia and its Asian Context - 3 points  
Not available this year

HIS323 American Indian History - 3 points  
Not available this year

HIS324 Rebirth of Europe 1945-2001 - 3 points  
MURDOCH: S1-internal, S1-external

HIS259 Europe Under the Dictators - 3 points  
Not available this year

HIS310 Modern Japanese History - 3 points  
Not available this year

HIS257 Spies, Saboteurs and Secret Agents - 3 points  
Not available this year

HIS258 Soldiers and Civilians: War in the Pacific 1941-1945 - 3 points  
MURDOCH: S1-internal, S1-external

HIS256 Earth, Fire, Wind and Water: Australian Environmental

History - 3 points  
MURDOCH: S1-internal, S1-external

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## **HISTORY HONOURS (BA(HONS))**

School of Arts

*Bachelor of Arts Honours (BA(Hons)) in History*

Course Codes: H1256

Duration: 1 year full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

#### **Admission Requirements (Onshore):**

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Distinction average; subject to availability of a suitable supervisor and approval by the Associate Dean (Learning and Teaching) of the School.

English competence.

#### **Apply Online:**

Applications can be made online at  
<http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

### **Course Structure - 24 credit points**

#### **Coursework - 12 credit points**

HIS563 Honours Seminar in History - 3 points  
MURDOCH: S1-internal

ART604 Advanced Research Methods - 3 points  
MURDOCH: S1-internal, S1-external

ART503 Honours Seminar in Arts - 3 points  
MURDOCH: S1-internal

HIS511 Honours Topic in History - 3 points  
MURDOCH: S1-internal, S2-internal, Y-internal

#### **Thesis - 12 credit points**

HIS519 Honours Thesis in History - 12 points  
MURDOCH: S1-internal, S2-internal, Y-internal

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## **HOSPITALITY AND TOURISM MANAGEMENT**

### **HOSPITALITY AND TOURISM MANAGEMENT (BBUS)**

School of Management and Governance

*Bachelor of Business (BBus) in Hospitality and Tourism Management*

Course Codes: B1318

Duration: 3 years full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal)
- Some units only: Murdoch campus (external)

A Bachelor of Business (Hospitality and Tourism Management) will provide students with a body of knowledge that includes the understanding of business management principles and contemporary developments in Hospitality and Tourism

Management. This degree provides students with core business skills in business management, and the legal framework of business, combined with a broad knowledge base of the contemporary issues within the hospitality and tourism industry.

Students will have knowledge of how research principles and methods inform business decision-making after completing this degree. Graduates will demonstrate the application of knowledge and skills via the planning and completion of significant research-based or scholarship-centred projects.

A Bachelor of Business provides a broad understanding of individual, organisational and societal issues. You will have the practical skills to identify business opportunities, analyse problems and implement solutions and you will be able to demonstrate a knowledge of business principles across key functional areas. You will have depth of knowledge in one or more business disciplines: accounting, banking, business law, economics, finance, hospitality and tourism management, human resources management, international business, management, and marketing.

#### **Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

#### **Employment Prospects:**

Tourism industry such as tour operators, accommodation outlets and resorts; travel wholesalers and retailers, NGOs and government agencies.

#### **Recommended Double Majors:**

Management; Marketing

#### **Main Research Areas:**

Management, tourism.

## **Course Structure - 72 credit points**

### **Part I - 24 credit points**

#### **Year 1 - 24 credit points**

##### **Transition Unit - 3 credit points**

BBS100 Academic Skills for Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### **Breadth Unit for Degree - 3 credit points**

BBS150 Transforming Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### **Core Units - 12 credit points**

BUS130 Foundational Mathematics for Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

BUS176 Foundations of Management and Governance - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

BSL165 Foundations of Business Law - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

TOU101 Introduction to Tourism Systems - 3 points  
MURDOCH: S1-internal, S1-external

##### **General Electives - 6 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

### **Part II - 48 credit points**

#### **Year 2 - 24 credit points**

##### **Research Skills Unit - 3 credit points**

BBS200 Business Research: An Integrated Approach - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### **Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

##### **Core Units - 9 credit points**

BSL204 Tourism and Hospitality Law - 3 points  
MURDOCH: S1-internal, S1-external

BUS293 Organisational Theory and Behaviour - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

TOU221 Sustainable Tourism - 3 points  
MURDOCH: S1-internal, S1-external

##### **General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

#### **Year 3 - 24 credit points**

##### **Research Skills Unit - 3 credit points**

BBS300 Empirical Research Methods for Business - 3 points  
Not available this year

OR

BBS301 Business Research: Integrated and Mixed Methods - 3 points  
Not available this year

##### **Breadth Unit University-Wide - 3 credit points**

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

##### **Core Units - 9 credit points**

BUS349 Strategic Management - 3 points  
Not available this year

TOU323 Destination Management - 3 points  
Not available this year

TOU322 Tourism Project - 3 points  
Not available this year

##### **General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

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## **HOSPITALITY AND TOURISM MANAGEMENT (BCOM)**

School of Management and Governance

Bachelor of Commerce (BCom) in Hospitality and Tourism Management

Course Codes: B1003 B1003A

Duration: 3 years full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal) (no new admissions from 2015 at this location for first-year commencing students)
- SMF Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced by a Bachelor of Business)
- Kaplan Higher Education Institute and Kaplan Higher Education Academy (Singapore) ['KAPLAN-SGP'] (internal) (by formal

agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced by a Bachelor of Business)

• Some units only: Murdoch campus (external) (no new admissions from 2015 at this location for first-year commencing students)

This course prepares students for employment in the tourism industry, particularly with front line businesses such as hotels, resorts and transportation companies as well as in the wider context of tourism and hospitality, including non-government organisations (NGOs) and government agencies. It provides a detailed understanding of travel and tourism with special attention to management of tourism-related businesses and the strategic management of destinations.

A fourth year of study is available in the form of an honours year.

#### **Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

#### **Employment Prospects:**

Tourism industry such as tour operators, accommodation outlets and resorts; travel wholesalers and retailers, NGOs and government agencies.

#### **Main Research Areas:**

Management, tourism.

## **Course Structure - 72 credit points**

### **Part I - 24 credit points**

#### **Foundation Unit - 3 credit points**

From 2014, Foundation units will no longer be offered. Students who have not yet successfully completed a Foundation unit will be required to enrol in the following Transition Unit.

BBS100 Academic Skills for Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

#### **Core Units - 12 credit points**

BSL165 Foundations of Business Law - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

OR

BUS165 Principles of Commercial Law - 3 points

BUS145 Principles of Management - 3 points

OR

BUS176 Foundations of Management and Governance - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

BUS170 Foundations of Accounting - 3 points  
MURDOCH: S2-internal, S2-external

OR

BUS160 Introduction to Accounting - 3 points

TOU101 Introduction to Tourism Systems - 3 points  
MURDOCH: S1-internal, S1-external

#### **General Electives - 9 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

### **Part II - 48 credit points**

#### **Core Units - 24 credit points**

BSL207 Tourism and Hospitality Law - 4 points

OR

BSL204 Tourism and Hospitality Law - 3 points  
MURDOCH: S1-internal, S1-external

OR

BUS207 Tourism and Hospitality Law - 4 points  
KAPLAN-SGP: TJA-internal, TSA-internal  
SGP1: TJB-internal, TSB-internal  
(no longer available at Murdoch campus: contact the Academic Chair for advice)

BUS240 Organisation Development and Human Resources Management - 4 points

KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal  
SGP1: TMB-internal  
(no longer available at Murdoch campus: contact the Academic Chair for advice)

TOU201 Sustainable Tourism - 4 points  
KAPLAN-SGP: TMA-internal  
SGP1: TMB-internal

OR

TOU221 Sustainable Tourism - 3 points  
MURDOCH: S1-internal, S1-external

TOU303 Destination Management - 4 points  
MURDOCH: S2-internal  
KAPLAN-SGP: TJA-internal, TSA-internal  
SGP1: TJB-internal, TSB-internal

BUS317 Strategic Management - 4 points  
MURDOCH: S2-internal, S2-external  
KAPLAN-SGP: TJA-internal, TSA-internal  
SGP1: TJB-internal, TSB-internal

BUS320 Advanced Human Resource Perspectives - 4 points  
MURDOCH: S1-internal, S1-external  
KAPLAN-SGP: TMA-internal  
SGP1: TMB-internal

#### **General Electives - 24 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

Recommended as General Elective points only:

BUS267 Work-Based Learning - 3 points  
MURDOCH: S1-internal (quota of 50 places)

## **HUMAN RESOURCES MANAGEMENT**

### **HUMAN RESOURCE MANAGEMENT (BCom)**

School of Management and Governance

Bachelor of Commerce (BCom) in Human Resource Management

Course Codes: B1003 B1003A

Duration: 3 years full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal) (no new admissions from 2015 at this location for first-year commencing students)
- Murdoch campus (external) (no new admissions from 2015 at this location for first-year commencing students)

- SMF Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced by a Bachelor of Business)
- KDU College (Petaling Jaya, Malaysia) ['KDUPJ'] (internal) (by formal agreement) (language of instruction: English) (not available to new admissions at this location)
- Kaplan Higher Education Institute and Kaplan Higher Education Academy (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced by a Bachelor of Business)

Human Resource Management will provide a strong understanding of the areas of professional human resource management including the strategic role, employment policies, legal and environmental regulations, interviewing and hiring, rewards and recognition, pay and benefits, diversity, job assessment, health and safety, ethics, negotiating and bargaining, communications, motivation, organisational design, and the future direction of human resources.

Graduates will have a strong standing for entry into the human resource management arena and associated commercial areas within industry.

A fourth year of study is available in the form of an honours year.

#### **Admission Requirements (Onshore):**

As per normal undergraduate admission.

English competence.

#### **Employment Prospects:**

The prospects for employment in HRM are good as every organisation, public or private, undertakes HRM functions. The HR industry as a whole does not require registration or specific qualifications thus increasing demand for qualified candidates.

#### **Professional Accreditation:**

This course is accredited by the Australian Human Resource Institute (AHRI) and provides students eligibility for professional standing upon graduation.

## **Course Structure - 72 credit points**

### **Part I - 24 credit points**

#### **Foundation Unit - 3 credit points**

From 2014, Foundation units will no longer be offered. Students who have not yet successfully completed a Foundation unit will be required to enrol in the following Transition Unit.

BBS100 Academic Skills for Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

#### **Core Units - 15 credit points**

BUS145 Principles of Management - 3 points

OR

BUS176 Foundations of Management and Governance - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

BUS170 Foundations of Accounting - 3 points  
MURDOCH: S2-internal, S2-external

OR

BUS160 Introduction to Accounting - 3 points

BSL165 Foundations of Business Law - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

OR

BUS165 Principles of Commercial Law - 3 points

BUS171 Foundations of Economics - 3 points  
MURDOCH: S1-external, S2-internal, S2-external

OR

BUS161 Introduction to Economics - 3 points

BUS183 Foundations of Marketing - 3 points  
MURDOCH: S2-internal, S2-external

OR

BUS169 Principles of Marketing - 3 points

#### **General Electives - 6 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

## **Part II - 48 credit points**

### **Core Units - 24 credit points**

BUS222 Employment Relations - 4 points  
MURDOCH: S1-internal, S1-external

OR

BUS251 Employment Relations in Asia - 4 points  
KAPLAN-SGP: TMA-internal  
SGP1: TMB-internal  
(no longer available at Murdoch campus: contact the Academic Chair for advice)

BSL228 Workplace Law - 4 points

OR

BSL202 Workplace Law - 3 points  
MURDOCH: S2-internal, S2-external

OR

BUS228 Workplace Law - 4 points  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal  
SGP1: TJB-internal, TSB-internal  
(no longer available at Murdoch campus: contact the Academic Chair for advice)

BUS375 Human Resource Economics - 4 points  
MURDOCH: S2-internal, S2-external  
KAPLAN-SGP: TJA-internal, TSA-internal  
SGP1: TJB-internal, TSB-internal

BUS320 Advanced Human Resource Perspectives - 4 points  
MURDOCH: S1-internal, S1-external  
KAPLAN-SGP: TMA-internal

KDUPJ: S1U-internal  
SGP1: TMB-internal

BUS223 Organisational Theory and Behaviour - 4 points  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal  
SGP1: TJB-internal, TSB-internal  
(no longer available at Murdoch campus: contact the Academic Chair for advice)

BUS240 Organisation Development and Human Resources Management - 4 points

KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal  
SGP1: TMB-internal  
(no longer available at Murdoch campus: contact the Academic Chair for advice)

#### **General Electives - 24 credit points**

Select from any 200- to 400-level units offered by the University,

subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

Recommended for General Elective points only:

BUS267 Work-Based Learning - 3 points  
MURDOCH: S1-internal (quota of 50 places)

## **HUMAN RESOURCES MANAGEMENT (BBUS)**

School of Management and Governance

Bachelor of Business (BBus) in Human Resources Management

Course Codes: B1318

Duration: 3 years full-time or part-time equivalent

### **Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

Human Resource Management professionals specialise in managing functions and activities concerned with attracting, maintaining and developing people within the organisation. A Bachelor of Business (Human Resources Management) will provide students with a body of knowledge that includes the understanding of historical perspectives and contemporary developments in Human Resources Management. Students will have knowledge of how research principles and methods inform Human Resources Management decision-making. Graduates of a Bachelor of Business (Human Resources Management) will demonstrate the application of knowledge and skills via the planning and completion of significant research-based or scholarship-centred projects.

A Bachelor of Business provides a broad understanding of individual, organisational and societal issues. You will have the practical skills to identify business opportunities, analyse problems and implement solutions and you will be able to demonstrate a knowledge of business principles across key functional areas. You will have depth of knowledge in one or more business disciplines: accounting, banking, business law, economics, finance, hospitality and tourism management, human resources management, international business, management, and marketing.

### **Admission Requirements (Onshore):**

As per normal undergraduate admission.

English competence.

### **Employment Prospects:**

The prospects for employment in HRM are good as every organisation, public or private undertakes HRM functions. The HR industry as a whole does not require registration or specific qualifications thus increasing demand for qualified candidates.

### **Recommended Double Majors:**

Accounting; Hospitality and Tourism Management; Management; Marketing

## **Course Structure - 72 credit points**

### **Part I - 24 credit points**

#### **Year 1 - 24 credit points**

##### **Transition Unit - 3 credit points**

BBS100 Academic Skills for Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### **Breadth Unit for Degree - 3 credit points**

BBS150 Transforming Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

### **Core Units - 12 credit points**

BUS130 Foundational Mathematics for Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

BUS176 Foundations of Management and Governance - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

BSL165 Foundations of Business Law - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

BUS171 Foundations of Economics - 3 points  
MURDOCH: S1-external, S2-internal, S2-external

### **General Electives - 6 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

## **Part II - 48 credit points**

### **Year 2 - 24 credit points**

#### **Research Skills Unit - 3 credit points**

BBS200 Business Research: An Integrated Approach - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

#### **Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

#### **Core Units - 9 credit points**

BSL202 Workplace Law - 3 points  
MURDOCH: S2-internal, S2-external

BUS293 Organisational Theory and Behaviour - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

BUS297 Principles of Human Resources Management - 3 points  
MURDOCH: S1-internal, S1-external

#### **General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

### **Year 3 - 24 credit points**

#### **Research Skills Unit - 3 credit points**

BBS300 Empirical Research Methods for Business - 3 points  
Not available this year

OR

BBS301 Business Research: Integrated and Mixed Methods - 3 points  
Not available this year

#### **Breadth Unit University-Wide - 3 credit points**

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

#### **Core Units - 9 credit points**

BUS332 Employment Relations - 3 points  
Not available this year

BUS340 Advanced Human Resource Perspectives - 3 points  
Not available this year

BUS301 Human Resource Economics - 3 points  
Not available this year

#### **General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to

consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

## INTERNATIONAL AID AND DEVELOPMENT

### INTERNATIONAL AID AND DEVELOPMENT (BA)

School of Management and Governance

Bachelor of Arts (BA) in International Aid and Development

Course Codes: B1316

Duration: 3 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

The degree explores the challenges and the changing approaches to international aid by government, multilateral organisations and non-government aid agencies. It focuses on key issues such as poverty reduction, governance, capacity building, and participatory approaches. It will equip students to be effective development practitioners in international and cross-cultural settings. The emphasis is on community-level engagement and tools and skills for project management and participatory development practice.

In the Bachelor of Arts you will develop a broad understanding of your field and proficiency in producing written and oral arguments and creative artifacts in response to social, human and natural phenomena. You will also develop a critical appreciation of the perspectives of others. As an Arts graduate you will be able to think critically and creatively, apply knowledge and information, and communicate effectively. These are professional skills which are critical across a range of industries. You will also be able to pursue further study in the fields of social research, the humanities and/or the creative arts.

#### Admission Requirements (Onshore):

As per normal undergraduate admission requirements

English competence.

#### Employment Prospects:

Non-government agencies; Department of Foreign Affairs and Trade; development consultancies.

#### Recommended Double Majors:

Community Development; Community Development (OUA); Politics and International Studies; Sustainable Development; Sustainable Development (OUA)

#### Main Research Areas:

Asian studies; development studies; community development; indigenous development; international development

### Course Structure - 72 credit points

#### Part I - 24 credit points

##### Year 1 - 24 credit points

##### Transition Unit - 3 credit points

BAR100 Academic Learning Skills - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### Breadth Unit for Degree - 3 credit points

BAR150 Ideas and Identity - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### Core Units - 9 credit points

POL161 Understanding International Politics - 3 points

MURDOCH: S2-internal, S2-external

COD125 Introduction to Community Development - 3 points

MURDOCH: S1-internal, S1-external

SUS100 Introduction to Sustainable Development - 3 points

MURDOCH: S2-internal, S2-external

#### General Electives - 9 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

### Part II - 48 credit points

#### Year 2 - 24 credit points

##### Research Skills Unit - 3 credit points

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

##### For Primary Major in Social and Developmental Psychology

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
MURDOCH: S1-internal

##### For All Other Primary Majors

BAR200 Developing Research Skills and Methods - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

#### Breadth Unit University-Wide - 3 credit points

Select one 200-level University Breadth Unit.

#### Core Units - 9 credit points

SUS207 Overseas Aid and International Development - 3 points  
MURDOCH: S1-internal, S1-external

POL298 International Political Economy - 3 points  
MURDOCH: S2-internal, S2-external

POL226 Sex and Gender Matters - 3 points  
MURDOCH: S2-internal, S2-external

#### General Electives - 9 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

#### Year 3 - 24 credit points

##### Research Skills Unit - 3 credit points

BAR300 Bachelor of Arts Research Skills Unit - 3 points  
Not available this year

##### Breadth Unit University-Wide - 3 credit points

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

#### Core Units - 6 credit points

COD302 Creative Ways to Work with Community - 3 points  
MURDOCH: S2-internal, S2-external

SUS309 International Aid and Development - 3 points  
Not available this year

#### Specified Electives - 3 credit points

Select from the following:

SUS310 Sustainable Urban Communities - 3 points  
Not available this year

AST350 Society, Culture and Ecology in Asia - 3 points  
Not available this year

### General Electives - 9 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

## INTERNATIONAL BUSINESS

### See also:

Politics and International Studies

### INTERNATIONAL BUSINESS (BBUS)

School of Management and Governance

Bachelor of Business (BBus) in International Business

Course Codes: B1318

Duration: 3 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

International Business is an integrated degree with a strong basis in international commerce and economics, as well as interdisciplinary links with Asian studies areas. Students are exposed to a selection of units that will develop their knowledge of the global business environment and related political and social factors in some of the largest economies of the world, such as China and Japan.

The major is designed to enable students to acquire skills needed for employment in an international environment. Business core units provide the foundation for a broad international business perspective and skills appropriate to understanding and dealing with a range of cultures in an increasingly globalised world.

To enhance future employment opportunities in international business, students are strongly encouraged to study one of the two foreign languages offered by the University: Japanese and Indonesian.

A Bachelor of Business provides a broad understanding of individual, organisational and societal issues. You will have the practical skills to identify business opportunities, analyse problems and implement solutions and you will be able to demonstrate a knowledge of business principles across key functional areas. You will have depth of knowledge in one or more business disciplines: accounting, banking, business law, economics, finance, hospitality and tourism management, human resources management, international business, management, and marketing.

#### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

#### Special Requirements:

Students with language expertise above the second-year level may be refused enrolment in the language electives.

### Course Structure - 72 credit points

#### Part I - 24 credit points

##### Year 1 - 24 credit points

##### Transition Unit - 3 credit points

BBS100 Academic Skills for Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

#### Breadth Unit for Degree - 3 credit points

BBS150 Transforming Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

#### Core Units - 12 credit points

BUS130 Foundational Mathematics for Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

BUS176 Foundations of Management and Governance - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

BUS183 Foundations of Marketing - 3 points  
MURDOCH: S2-internal, S2-external

POL161 Understanding International Politics - 3 points  
MURDOCH: S2-internal, S2-external

#### General Electives - 6 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

### Part II - 48 credit points

#### Year 2 - 24 credit points

##### Research Skills Unit - 3 credit points

BBS200 Business Research: An Integrated Approach - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### Breadth Unit University-Wide - 3 credit points

Select one 200-level University Breadth Unit.

##### Core Units - 9 credit points

BUS293 Organisational Theory and Behaviour - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

BUS284 Comparative Corporate Governance and International Operations - 3 points  
MURDOCH: S1-internal, S1-external

POL298 International Political Economy - 3 points  
MURDOCH: S2-internal, S2-external

#### General Electives - 9 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

#### Year 3 - 24 credit points

##### Research Skills Unit - 3 credit points

BBS300 Empirical Research Methods for Business - 3 points  
Not available this year

OR

BBS301 Business Research: Integrated and Mixed Methods - 3 points  
Not available this year

##### Breadth Unit University-Wide - 3 credit points

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

##### Core Units - 9 credit points

BUS343 International Marketing - 3 points  
Not available this year

BUS344 International Management - 3 points  
Not available this year

BUS341 Business Negotiations in International Perspective - 3



points  
Not available this year

### General Electives - 9 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

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## INTERNATIONAL BUSINESS (BCOM)

School of Management and Governance

Bachelor of Commerce (BCom) in International Business

Course Codes: B1003 B1003A

Duration: 3 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal) (not available to new admissions)
- Murdoch campus (external) (not available to new admissions)
- Kaplan Higher Education Institute and Kaplan Higher Education Academy (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced by a Bachelor of Business)

The Bachelor of Commerce in International Business is an integrated degree with a strong basis in international commerce and economics, as well as interdisciplinary links with Asian studies areas. Students are exposed to a selection of units that will develop their knowledge of the global business environment and related political and social factors in some of the largest economies of the world, such as China and Japan.

The major is designed to enable students to acquire skills needed for employment in an international environment. Business core units provide the foundation for a broad international business perspective and skills appropriate to understanding and dealing with a range of cultures in an increasingly globalised world.

To enhance future employment opportunities in international business, students are strongly encouraged to study one of the two foreign languages offered by the University: Japanese and Indonesian.

A fourth year of study is available in the form of an honours year.

### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

### Special Requirements:

Students with language expertise above the second-year level may be refused enrolment in the language electives.

## Course Structure - 72 credit points

### Part I - 24 credit points

#### Foundation Unit - 3 credit points

From 2014, Foundation units will no longer be offered. Students who have not yet successfully completed a Foundation unit will be required to enrol in the following Transition Unit.

BBS100 Academic Skills for Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

#### Core Units - 12 credit points

BUS183 Foundations of Marketing - 3 points  
MURDOCH: S2-internal, S2-external

OR

BUS169 Principles of Marketing - 3 points

BUS145 Principles of Management - 3 points

OR

BUS176 Foundations of Management and Governance - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

BUS171 Foundations of Economics - 3 points  
MURDOCH: S1-external, S2-internal, S2-external

OR

BUS161 Introduction to Economics - 3 points

POL161 Understanding International Politics - 3 points  
MURDOCH: S2-internal, S2-external

### General Electives - 9 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

Recommended: Students may wish to consider enrolling in language units from the following list:

JPN101 Japanese 1 - 3 points  
MURDOCH: S1-internal

The following unit is no longer available - contact the Academic Chair for advice:

JPN172 Japanese IB - 6 points

IND101 Indonesian 1 - 3 points  
MURDOCH: S1-internal, S1-external

IND102 Indonesian 2 - 3 points  
MURDOCH: S2-internal, S2-external

## Part II - 48 credit points

### Core Units - 24 credit points

BUS243 Chinese Business - 4 points  
KAPLAN-SGP: TMA-internal  
(no longer available at Murdoch campus: contact the Academic Chair for advice)

BUS273 Consumer Behaviour - 4 points  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal  
(no longer available at Murdoch campus: contact the Academic Chair for advice)

BUS321 International Marketing - 4 points  
MURDOCH: S2-internal, S2-external  
KAPLAN-SGP: TJA-internal, TSA-internal

BUS223 Organisational Theory and Behaviour - 4 points  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal  
(no longer available at Murdoch campus: contact the Academic Chair for advice)

BUS240 Organisation Development and Human Resources Management - 4 points  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal  
(no longer available at Murdoch campus: contact the Academic Chair for advice)

BUS323 International Management - 4 points  
MURDOCH: S1-internal, S1-external  
KAPLAN-SGP: TMA-internal

### Specified Electives - 12 credit points

Select from the following:

BUS272 Changing Economies of Asia - 4 points  
MURDOCH: S1-internal, S1-external  
KAPLAN-SGP: TMA-internal

BUS290 International Financial Markets and Institutions - 4 points  
MURDOCH: S1-internal, S1-external  
KAPLAN-SGP: TJA-internal, TSA-internal

The following unit is no longer available - contact the Academic Chair for advice:

BUS233 Conversational Chinese - 4 points

The following unit is no longer available - contact the Academic Chair for advice:

BUS241 Contemporary China - 4 points

BUS268 Services Marketing - 4 points  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal  
(no longer available at Murdoch campus: contact the Academic Chair for advice)

BUS346 Chinese Business Negotiations - 4 points  
MURDOCH: S2-internal, S2-external

JPN204 Japanese IIA - 4 points  
(no longer available)

OR

JPN202 Japanese 4 - 3 points  
MURDOCH: S1-internal

JPN214 Postwar Japan - 4 points  
This unit is no longer available: contact the Academic Chair for advice.

IND261 Indonesian 2A - 4 points  
(no longer available)

OR

IND201 Indonesian 3 - 3 points  
MURDOCH: S1-internal, S1-external

AST250 Society, Culture and Ecology in Asia - 4 points  
MURDOCH: S1-internal, S1-external

LAW457 Law in China: Continuity and Change - 4 points  
Not available this year

\*\* Enrolment in the unit requires permission of the Unit Coordinator.

### General Electives - 12 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

Recommended for General Elective points only:

BUS267 Work-Based Learning - 3 points  
MURDOCH: S1-internal (quota of 50 places)

## INTERNETWORKING AND NETWORK SECURITY

### INTERNETWORKING AND NETWORK SECURITY (BSC)

School of Engineering and Information Technology

Bachelor of Science (BSc) in Internetworking and Network Security

Course Codes: B1317

Duration: 3 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)
- Some units only: Murdoch campus (external)

This major provides the knowledge and skills required to manage the complexity of the Internet of tomorrow, integrating voice, wireless, and security into the network. It is designed in consultation with industry to meet the growing need for networking specialists with skills in security and converged voice and data networks.

Murdoch's Bachelor of Science is a flexible degree which gives you the opportunity to build deep understanding and practical experience as well as to supplement your studies by engaging with industry and the community on relevant problems. You can even undertake studies through another discipline to broaden your understanding of the way in which science operates in relation to social, business, health and policy environments.

### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

### Employment Prospects:

This major prepares students for a career in computer networking for business, industry or government. The major also offers training towards the excellent Cisco Certification useful in a number of areas such as Network Engineer and System Administrator that are considered very desirable by potential employers across a large range of enterprises.

### Professional Recognition:

Graduates receive professional membership of the Australian Computing Society (ACS) and are eligible to sit for the following industry certification exams: Cisco Certified Network Associate (CCNA), Cisco Certified Network Professional (CCNP); Managing Securing Networks with Cisco Routers and Switches (SNRS), Securing Networks with ASA Foundation (SNAF), Securing Networks with ASA Advanced (SNAA).

### Recommended Double Majors:

Business Information Systems; Mobile and Web Application Development

### Excluded Minors:

Computer and Network Security; Network Design

### Main Research Areas:

Communication standards, electronic commerce, high speed networks and distance education.

## Course Structure - 72 credit points

### Part I - 24 credit points

#### Year 1 - 24 credit points

##### Transition Unit - 3 credit points

BSC100 Building Blocks for Science Students - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### Breadth Unit for Degree - 3 credit points

BSC150 What is Science? - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

### Core Units - 15 credit points

ICT171 Introduction to Server Environments and Architectures - 3 points  
MURDOCH: S1-internal, S1-external

ICT159 Foundations of Programming - 3 points  
MURDOCH: S1-internal, S1-external

ICT169 Foundations of Data Communications - 3 points

MURDOCH: S2-internal, S2-external

MAS162 Foundations of Discrete Mathematics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

ICT170 Foundations of Computer Systems - 3 points  
MURDOCH: S2-internal, S2-external

### General Electives - 3 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

### Recommended General Electives

ICT101 Introduction to 3D Graphics and Animation - 3 points  
Not available this year

## Part II - 48 credit points

### Year 2 - 24 credit points

#### Research Skills Unit - 3 credit points

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

#### For Primary Major in Cognitive Neuroscience and Health Psychology

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
MURDOCH: S1-internal

#### For Primary Majors in the Health Sciences, as listed

Primary Major in Chiropractic Science, Exercise Physiology, Movement Science, or Sport and Health Science:

BSC206 Introduction to Research Methodology and Evidence Based Practice - 3 points  
MURDOCH: S2-internal

#### For Primary Majors in Information Technology

BSC203 Introduction to ICT Research Methods - 3 points  
MURDOCH: S1-internal, S1-external

#### For All Other Primary Majors

BSC200 Research in the Physical and Life Sciences - 3 points  
MURDOCH: S1-internal, S1-external

### Breadth Unit University-Wide - 3 credit points

Select one 200-level University Breadth Unit.

### Core Units - 9 credit points

ICT284 Systems Analysis and Design - 3 points  
MURDOCH: S1-internal, S1-external

ICT291 Network Design and Implementation - 3 points  
MURDOCH: S1-internal

ICT285 Databases - 3 points  
MURDOCH: S2-internal, S2-external

### General Electives - 9 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

### Year 3 - 24 credit points

#### Research Skills Unit - 3 credit points

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

#### For Primary Majors in Information Technology

BSC301 Applied Research Skills in ICT - 3 points  
Not available this year

#### For All Other Primary Majors

BSC300 Bachelor of Science Research Skills Unit - 3 points  
Not available this year

### Breadth Unit University-Wide - 3 credit points

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

### Core Units - 9 credit points

ICT369 Wireless and Interactive Networks - 3 points  
Not available this year

ICT377 Network Security - 3 points  
Not available this year

ICT372 Advanced Network Design and Implementation - 3 points  
Not available this year

### General Electives - 9 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

### Recommended General Electives

ICT319 Intelligent Systems - 3 points  
Not available this year

## INTERNETWORKING AND NETWORK SECURITY HONOURS (BSC(HONS))

School of Engineering and Information Technology

Bachelor of Science Honours (BSc(Hons)) in Internetworking

Course Codes: H1257

Duration: 1 year full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)

The aim of Honours is to provide training in research and the development of higher-level skills. The student's grasp of the principles and practice of their subject will be extended and they will develop ability for independent research.

Successful completion of the Honours course is required for admission to research degrees (i.e. Masters or PhD degrees).

### Admission Requirements (Onshore):

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Distinction average; subject to availability of a suitable supervisor and approval by the Associate Dean (Learning and Teaching) of the School.

English competence.

### Apply Online:

Applications can be made online at  
<http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

## Course Structure - 24 credit points

### Coursework - 12 credit points

ICT615 Information Technology Research Methods - 3 points  
MURDOCH: S1-internal

ICT576 Information Technology Literature Review - 3 points  
MURDOCH: S1-internal, S2-internal

Plus another two 500-level IT units approved by the Academic Chair.

### Thesis - 12 credit points

ICT590 Honours Thesis in Internetworking - 12 points  
Not available this year

## JOURNALISM

### See also:

Public Relations

### JOURNALISM (BA)

School of Arts

Bachelor of Arts (BA) in Journalism

Course Codes: B1316

Duration: 3 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)
- Some units only: Murdoch campus (external)

This major provides students with practical reporting, writing and producing skills in journalism and it investigates the ethical, legal and cultural contexts of the media. The major gives students the opportunity to work in an online newsroom. Students learn about the news media industry and about the influence of journalism on society. As part of the Journalism major, students also learn about media audiences and public opinion.

In the Bachelor of Arts you will develop a broad understanding of your field and proficiency in producing written and oral arguments and creative artifacts in response to social, human and natural phenomena. You will also develop a critical appreciation of the perspectives of others. As an Arts graduate you will be able to think critically and creatively, apply knowledge and information, and communicate effectively. These are professional skills which are critical across a range of industries. You will also be able to pursue further study in the fields of social research, the humanities and/or the creative arts.

### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

### Employment Prospects:

Graduates may follow careers in the media or as freelance writers and producers. Graduates also will have research, communication and professional skills that are useful in many corporate and public sector settings.

### Recommended Double Majors:

Communication and Media Studies; Politics and International Studies; Public Relations; Web Communication

### Main Research Areas:

Media law, ethics, storytelling and oral history.

### Course Structure - 72 credit points

#### Part I - 24 credit points

##### Year 1 - 24 credit points

##### Transition Unit - 3 credit points

BAR100 Academic Learning Skills - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### Breadth Unit for Degree - 3 credit points

BAR150 Ideas and Identity - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

#### Core Units - 9 credit points

CMS101 Introduction to Media Studies - 3 points  
MURDOCH: S2-internal, S2-external

JOU104 Introduction to Journalism - 3 points  
MURDOCH: S2-internal

IDD129 Introduction to Digital Media Skills - 3 points  
MURDOCH: S1-internal

#### General Electives - 9 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

### Part II - 48 credit points

#### Year 2 - 24 credit points

##### Research Skills Unit - 3 credit points

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

##### For Primary Major in Social and Developmental Psychology

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
MURDOCH: S1-internal

##### For All Other Primary Majors

BAR200 Developing Research Skills and Methods - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

#### Breadth Unit University-Wide - 3 credit points

Select one 200-level University Breadth Unit.

#### Core Units - 9 credit points

JOU245 Media Law and Ethics - 3 points  
MURDOCH: S1-internal

JOU217 Web News Production - 3 points  
MURDOCH: S2-internal

CMS203 Audiences, Users and Participants - 3 points  
MURDOCH: S2-internal, S2-external

#### General Electives - 9 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

#### Year 3 - 24 credit points

##### Research Skills Unit - 3 credit points

BAR300 Bachelor of Arts Research Skills Unit - 3 points  
Not available this year

#### Breadth Unit University-Wide - 3 credit points

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

#### Core Units - 9 credit points

JOU322 Newsroom - 3 points  
Not available this year

JOU340 Politics, Journalism and Society - 3 points  
Not available this year

JOU367 Photo and Video Journalism - 3 points  
Not available this year

#### General Electives - 9 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

## **JOURNALISM (BCOMMUN)**

School of Arts

*Bachelor of Communication (BCommun) in Journalism*

Course Codes: B1284 B1284A

Duration: 3 years full-time or part-time equivalent

### **Availability:**

- Murdoch campus (internal) (no new admissions from 2015 at this location for first-year commencing students)
- SMF Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced by a Bachelor of Arts)
- Murdoch University International Study Centre (Dubai, UAE) ['DUBAI-ISC'] (internal) (by formal agreement) (language of instruction: English)
- Some units only: Murdoch campus (external) (no new admissions from 2015 at this location for first-year commencing students)

*Restriction: Enrolment is subject to restriction due to constraints on unit enrolments.*

This major provides students with practical reporting, writing and producing skills in journalism and it investigates the ethical, legal and cultural contexts of the media. The major gives students the opportunity to work in an online newsroom. Students learn about the news media industry and about the influence of journalism on society. As part of the Communication degree, students also learn about media audiences and public opinion.

### **Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

### **Employment Prospects:**

Graduates may follow careers in the media or as freelance writers and producers. Graduates also will have research, communication and professional skills that are useful in many corporate and public sector settings.

### **Main Research Areas:**

Media law, ethics, storytelling and oral history.

## **Course Structure - 72 credit points**

### **Part I - 24 credit points**

#### **Foundation Unit - 3 credit points**

From 2014, Foundation units will no longer be offered at the Murdoch Campus. Students who have not yet successfully completed a Foundation unit will be required to enrol in the following Transition Unit.

BAR100 Academic Learning Skills - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Students enrolled at the Dubai campus will enrol in:

FDN107 Next Life - 3 points  
DUBAI-ISC: TJD-internal, TMD-internal, TSD-internal

#### **Core Units - 12 credit points**

MCC108 Introduction to Communication and Media - 3 points  
DUBAI-ISC: TMD-internal

OR

CMS101 Introduction to Media Studies - 3 points  
MURDOCH: S2-internal, S2-external

MCC104 Introduction to Journalism - 3 points  
DUBAI-ISC: TJD-internal, TSD-internal

OR

JOU104 Introduction to Journalism - 3 points  
MURDOCH: S2-internal

MCC105 Introduction to Radio and Sound Production - 3 points  
DUBAI-ISC: TJD-internal, TSD-internal

OR

RAD105 Introduction to Radio - 3 points  
MURDOCH: S2-internal (quota of 80 places)

MCC124 Photography and Digital Imaging - 3 points  
DUBAI-ISC: TMD-internal

OR

PHO124 Photography 1 - 3 points  
MURDOCH: S1-internal (quota of 120 places), S2-internal (quota of 120 places)

### **General Electives - 9 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

## **Part II - 48 credit points**

### **Core Units - 24 credit points**

MCC236 Media Audiences and the Public - 4 points  
DUBAI-ISC: TJD-internal, TSD-internal  
SGP1: TJB-internal, TSB-internal

OR

CMS203 Audiences, Users and Participants - 3 points  
MURDOCH: S2-internal, S2-external

MCC245 Media Law and Ethics - 4 points  
DUBAI-ISC: TJD-internal, TSD-internal  
SGP1: TJB-internal, TSB-internal

OR

JOU245 Media Law and Ethics - 3 points  
MURDOCH: S1-internal

MCC240 Politics, Journalism and Society - 4 points  
MURDOCH: S2-internal  
DUBAI-ISC: TMD-internal  
SGP1: TMB-internal

MCC217 Web News Production - 4 points  
DUBAI-ISC: TMD-internal  
SGP1: TMB-internal

OR

JOU217 Web News Production - 3 points  
MURDOCH: S2-internal

MCC267 Photo and Video Journalism - 4 points  
MURDOCH: S1-internal (quota of 80 places)  
DUBAI-ISC: TMD-internal  
SGP1: TMB-internal

MCC323 Newsroom - 4 points  
MURDOCH: S2-internal

DUBAI-ISC: TJD-internal, TSD-internal  
SGP1: TJB-internal, TSB-internal

### General Electives - 24 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

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## JOURNALISM HONOURS (BA(HONS))

School of Arts

Bachelor of Arts Honours (BA(Hons)) in Journalism

Course Codes: H1256

Duration: 1 year full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop the ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

### Admission Requirements (Onshore):

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Distinction average; subject to availability of a suitable supervisor and approval by the Associate Dean (Learning and Teaching) of the School.

English competence.

### Apply Online:

Applications can be made online at  
<http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

### Course Structure - 24 credit points

#### Coursework - 12 credit points

ART503 Honours Seminar in Arts - 3 points  
MURDOCH: S1-internal

ART604 Advanced Research Methods - 3 points  
MURDOCH: S1-internal, S1-external

JOU561 Honours Topic in Journalism A - 3 points  
MURDOCH: S1-internal, S2-internal, Y-internal

JOU562 Honours Topic in Journalism B - 3 points  
MURDOCH: S1-internal, S2-internal, Y-internal

#### Thesis - 12 credit points

JOU569 Honours Thesis in Journalism - 12 points  
MURDOCH: S1-internal, S2-internal, Y-internal

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## LABORATORY MEDICINE

### See also:

Biomedical Science  
Forensic Biology  
Molecular Biology

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## LABORATORY MEDICINE (BSC)

School of Veterinary and Life Sciences

Bachelor of Science (BSc) in Laboratory Medicine, Clinical Laboratory Science and [the other major completed]

Course Codes: B1334

Duration: 4 years full-time or part-time equivalent

### Availability:

- Not currently available to new admissions

Medical laboratory scientists routinely perform diagnostic tests using human or veterinary clinical specimens that may include blood, cellular aspirates, tissue biopsies, stool or urine. They are employed in both the public and private sectors at hospitals and pathology laboratories. They have a broad knowledge of disease processes and are skilled in the handling of patient material, clinical testing and the analysis of results in specific discipline areas such as biochemistry, haematology, immunology, microbiology, histopathology, molecular pathology and transfusion science.

### Admission Requirements (Onshore):

Entry into this major is competitive, and requires evidence of consistent and sustained academic achievement (grades of credit and above) and the completion of a specified double major (Clinical Laboratory Science plus Biomedical Science or Molecular Biology or Forensic Biology and Toxicology).

English competence.

### Special Requirements:

Laboratory Medicine is offered as a four-year course consisting of 96 points with a 3 + 1 structure. It will initially require completion of a specific double major in a three year Bachelor of Science. The double major would entail Biomedical Science, Molecular Biology or Forensic Biology and Toxicology together with a major in Clinical Laboratory Science. Entry into Laboratory Medicine in the fourth year would be restricted to students with the requisite double major plus a minimum level of academic achievement. A small number of guaranteed places into fourth year would be offered to school leavers with a sufficiently high ATAR. Successful completion of the fourth year would lead to the awarding of the major in Laboratory Medicine.

### Employment Prospects:

Laboratory Medicine graduates are employed in public and private diagnostic and pathology laboratories across Australia. According to the Department of Employment, job openings in this area sit above the national average and job security is high. In addition, the likelihood of encountering unemployment is well below the national average, being less than 80 percent of all other professions nation-wide.

### Professional Accreditation:

The course will be set up in order to meet national accreditation by the Australian Institute of Medical Scientists (AIMS).

### Professional Recognition:

Australian Institute of Medical Scientists (AIMS) accreditation (see Professional Accreditation) will ensure full professional recognition Australia-wide.

### Main Research Areas:

All areas of Biomedical Science with particular emphasis on disease diagnosis, treatment decision-making and disease monitoring.

### Professional Experience Units:

All students entering this major must be able to undertake the professional experience units in public or private medical diagnostic laboratories in Western Australia or interstate.

### Course Structure - 96 credit points

**Years 1 to 3 - 72 credit points**

The first three years of this course are equivalent to a Bachelor of Science with a major in Clinical Laboratory Science plus another major in either Biomedical Science, Molecular Biology, or Forensic Biology and Toxicology.

**Part II - 72 credit points****Year 4 - 24 credit points****Core Units - 15 credit points**

BMS4XX Professional Life in Medical Laboratory Science - 3 points  
Not available this year

BMS4XX Laboratory Medicine Practice I - 6 points  
Not available this year

BMS4XX Laboratory Medicine Practice II - 6 points  
Not available this year

**Specified Electives - 9 credit points**

Select from the following:

BMS4XX Clinical Immunology II - 3 points  
Not available this year

BMS4XX Clinical Biochemistry II - 3 points  
Not available this year

BMS4XX Clinical Microbiology II - 3 points  
Not available this year

BMS4XX Histopathology II - 3 points  
Not available this year

BMS4XX Clinical Haematology II - 3 points  
Not available this year

BMS4XX Molecular Pathology II - 3 points  
Not available this year

**LABORATORY SCIENCE****CLINICAL LABORATORY SCIENCE (BSC)**

School of Veterinary and Life Sciences

Bachelor of Science (BSc) in Clinical Laboratory Science

Course Codes: B1317

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

Clinical Laboratory Science provides a foundation for a career in medical diagnosis and other health-related fields. The major builds on a general introduction to human biology, cell biology and human molecular genetics to cover a range of clinical laboratory disciplines including haematology, immunology, histopathology and molecular pathology. Students will obtain a broad knowledge of disease processes as well as technical skills in the handling of patient material, clinical testing and the analysis and troubleshooting of results. The major provides extensive exposure to the underlying principles involved in the measurement of clinical parameters.

Murdoch's Bachelor of Science is a flexible degree which gives you the opportunity to build deep understanding and practical experience as well as to supplement your studies by engaging with industry and the community on relevant problems. You can even undertake studies through another discipline to broaden your understanding of the way in which science operates in relation to social, business, health and policy environments.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

**Employment Prospects:**

Clinical laboratory scientists find employment in hospitals, medical research institutes, universities, government agencies and the private sector as Medical Researchers, Medical Technologists, Biopharmaceutical Scientists, Health Department Administrators, Patent Attorneys, Medical Sales and Marketing Professionals, and Teachers/Academics.

**Recommended Double Majors:**

Biomedical Science; Forensic Biology and Toxicology; Molecular Biology

**Recommended Minors:**

Biomedical Science; Forensic Biology; Molecular Biology

**Further Study and Surrender of Degree:**

Subject to academic performance requirements, students completing Clinical Laboratory Science as a double major with either Biomedical Science, Molecular Biology or Forensic Biology and Toxicology, can gain entry into a fourth year of study incorporating clinical practicum experiences leading to a full qualification in Laboratory Medicine. Students continuing to the four-year Bachelor of Science must surrender their three-year Bachelor of Science degree.

Clinical Laboratory Science is also excellent preparation for graduate studies in the health and medical fields, such as Medicine or Pharmacy.

**Major Prerequisites****Chemistry Background**

Students who achieved a final scaled score of 60 percent or more in Chemistry 3A/3B within the past three years should seek an exemption from their Academic Chair for CHE140 Fundamentals of Chemistry. Students who have completed previous chemistry not stated above should also consult their Academic Chair for clarification of their enrolment requirements.

**Course Structure - 72 credit points****Part I - 24 credit points****Year 1 - 24 credit points****Transition Unit - 3 credit points**

BSC100 Building Blocks for Science Students - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Breadth Unit for Degree - 3 credit points**

BSC150 What is Science? - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Core Units - 15 credit points**

BMS101 Introduction to the Human Body - 3 points  
MURDOCH: S1-internal

MAS183 Statistical Data Analysis - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

BMS107 Foundations of Vertebrate Form and Function - 3 points  
MURDOCH: S2-internal

BIO152 Foundations of Cell and Molecular Biology - 3 points  
MURDOCH: S2-internal

CHE144 Foundations of Chemistry - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**General Electives - 3 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a

second major or minor. Any recommended double majors and minors will be included in the major's description.

## Part II - 48 credit points

### Year 2 - 24 credit points

#### Research Skills Unit - 3 credit points

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

#### For Primary Major in Cognitive Neuroscience and Health Psychology

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
MURDOCH: S1-internal

#### For Primary Majors in the Health Sciences, as listed

Primary Major in Chiropractic Science, Exercise Physiology, Movement Science, or Sport and Health Science:

BSC206 Introduction to Research Methodology and Evidence Based Practice - 3 points  
MURDOCH: S2-internal

#### For Primary Majors in Information Technology

BSC203 Introduction to ICT Research Methods - 3 points  
MURDOCH: S1-internal, S1-external

#### For All Other Primary Majors

BSC200 Research in the Physical and Life Sciences - 3 points  
MURDOCH: S1-internal, S1-external

#### Breadth Unit University-Wide - 3 credit points

Select one 200-level University Breadth Unit.

#### Core Units - 9 credit points

BMS218 Haematology - 3 points  
Not available this year

BMS219 Human Molecular Genetics - 3 points  
Not available this year

BIO243 Immunology, Vaccines and Cell Culture - 3 points  
MURDOCH: S2-internal

#### General Electives - 9 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

### Year 3 - 24 credit points

#### Research Skills Unit - 3 credit points

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

#### For Primary Majors in Information Technology

BSC301 Applied Research Skills in ICT - 3 points  
Not available this year

#### For All Other Primary Majors

BSC300 Bachelor of Science Research Skills Unit - 3 points  
Not available this year

#### Breadth Unit University-Wide - 3 credit points

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

#### Core Unit - 3 credit points

BMS321 Pathophysiology - 3 points  
Not available this year

#### Specified Electives - 6 credit points

Select from the following:

BMS3XX Clinical Immunology I - 3 points  
NA 2015

BMS3XX Clinical Biochemistry I - 3 points  
NA 2015

BMS3XX Clinical Microbiology I - 3 points  
NA 2015

BMS3XX Histopathology I - 3 points  
NA 2015

BMS3XX Clinical Haematology I - 3 points  
NA 2015

BMS3XX Molecular Pathology I - 3 points  
NA 2015

#### General Electives - 9 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

## LAW

#### See also:

Chinese Law  
Migration Law

## LAW (LLB/LLB(HONS))

School of Law

*Bachelor of Laws Honours (LLB(Hons)) in Law; Bachelor of Laws (LLB) in Law*

Course Codes: B1321 H1247

Duration: 4 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Some units only: University of Macerata (Macerata, Italy) ['IMACERATA'] (internal) (language of instruction: English) (some Specified Electives only)
- Some units only: Geneva (Geneva, Switzerland) (internal) (language of instruction: English) (some Specified Electives only)
- Some units only: City University of Hong Kong (Hong Kong) ['CITYUHK'] (internal) (by formal agreement) (language of instruction: English) (some Specified Electives only)

Students in the Murdoch Law degree include both candidates who enter it directly from matriculation, and mature-age students. In keeping with its character as a professional preparation, a significant proportion of the Law degree is obligatory. This gives all students a basic understanding of the legal system and an introduction to the abilities demanded by the professional practice of law. At the same time, students will be provided with opportunities to practise these abilities in simulated professional settings such as the Law School's Clinical Education Centre at Rockingham.

Students will build on this foundation through advanced unit offerings in such areas as corporate and commercial law, environmental law, family law, international law, alternative dispute resolution and human rights law.

Students in the degree may study on a part-time basis. It should be noted that, in some circumstances, enrolment in less than 12 points in a semester may mean that students will not meet the formal prerequisite requirements for units which they may wish to study in



subsequent semesters.

Note: Only students admitted to the Law degree (or to a joint degree with Law or Juris Doctor qualification) are permitted to enrol in units in the Law degree. Students not admitted to the Law degree who would like to undertake legal study should refer to the Bachelor of Arts in Legal Studies.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

**Special Requirements:**

European Summer Program in Law and International Human Rights Program:

The School of Law is offering a selection of specified elective units as part of its European Summer Program in Law, hosted at the University of Macerata, Italy, and its International Human Rights Program in Geneva, Switzerland. These programs will be run subject to sufficient enrolments.

Enrolment in these programs is by application to the Program Director. Students are required to pay an application fee when submitting their application. Students enrolling in the program are responsible for their own airfares, accommodation, meals and incidental expenses during the program. Students are also required to pay a fee for course materials and access to the library, Internet and other facilities at the host location.

Students in the program must possess a passport valid for at least six months from the date of departure from Perth, with eligibility for a visa to enter the host country; Permanent Residents may also require a visa for re-entry into Australia.

Students are covered by Murdoch University for travel insurance. Students are advised to be aware of Australian Department of Foreign Affairs and Trade (DFAT) travel advisories prior to their departure via the following website:  
<http://www.smartraveller.gov.au/>  
All students must complete the University's online Travel Register prior to departure.

Students interested in the European Summer Program or the International Human Rights program are encouraged to contact the School of Law office for further information.

Part-time Study:

Students in the degree may study on a part-time basis. It should be noted that, in some circumstances, enrolment in less than 12 points in a semester may mean that students will not meet the formal prerequisite requirements for units which they may wish to study in subsequent semesters.

**Professional Recognition:**

The Murdoch Bachelor of Laws satisfies the University education requirements for the practice of law of the governing bodies of the legal profession of Western Australia. As is the pattern in the rest of Australia, before a candidate may be admitted to the practice of law in this State, certain additional requirements must be satisfied after completion of this formal university training.

**Excluded Majors:**

Legal Studies

**Award of Bachelor of Laws with Honours (LLB(Hons)):**

Students must apply for entry into Honours immediately prior to commencing their final 24 points of study.

The award of Honours is available on the basis of distinguished achievement in LLB580 Honours Thesis in Law, considered together with overall performance in LLB582 Legal Research Methods for

Honours and two units from LAW452/LLB452 Corporations Law, LAW450/LLB450 Civil Procedure, LAW468/LLB468 Ethics and Professional Responsibility and LLB580 Honours Thesis in Law completed in the Honours year. Students must have achieved a specified WGPA in Murdoch Law units before they may be permitted to enrol in LAW480 LLB580 and enrol in the Honours award.

Students should seek advice and further information from the Academic Chair for Law or the Law School Office.

**Award with Distinction:**

Graduation with Distinction or High Distinction is awarded on the basis of a high level of academic performance in Murdoch University Law units of LLB. The Award of Distinction and High Distinction is not available to students who achieve Honours.

**Graduate Entry to Bachelor of Laws:**

Students with a completed undergraduate degree will be given advanced standing of 24 credit points for graduate entry into the Bachelor of Laws, including preclusion from three Breadth units - BJU150, BDR250 and BDR350 - where the undergraduate degree is sufficiently different from the Law degree. This will require completion of 72 credit points of Law units including the Bachelor of Laws Transition unit and Research Skills units.

Students who have completed the equivalent of 48 credit points of a \*\*Law degree will be given Advanced Standing of 48 credit points, comprising a maximum of 15 credit points at 100 level (Part I) and 33 credit points at 200 to 400 level (Part II), for entry into the Bachelor of Laws (LLB).

\*\*Law degree refers to 'being a Law degree that would, once conferred, satisfy the academic requirements of practising law in that jurisdiction'.

**Course Structure - 96 credit points**

**Part I - 24 credit points**

**Year 1 - 24 credit points**

**Transition Unit - 3 credit points**

BJU100 Australian Legal System - 3 points  
MURDOCH: S1-internal, S2-internal

**Breadth Unit for Degree - 3 credit points**

BJU150 Law in Context - 3 points  
MURDOCH: S1-internal

**Core Units - 9 credit points**

LLB152 Torts - 3 points  
MURDOCH: S2-internal

LLB130 Criminal Law and Procedure - 3 points  
MURDOCH: S2-internal

LLB120 Legal Writing for Lawyers - 3 points  
MURDOCH: S1-internal

**General Electives - 9 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

**Part II - 72 credit points**

**Year 2 - 24 credit points**

**Research Skills Unit - 3 credit points**

BJU200 Researching Legal Remedies - 3 points  
MURDOCH: S2-internal

**Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

**Core Units - 15 credit points**

- LLB260 Contract Law - 3 points  
MURDOCH: S1-internal
- LLB253 Property Law A - 3 points  
MURDOCH: S1-internal
- LLB254 Property Law B - 3 points  
MURDOCH: S2-internal
- LLB251 Equity - 3 points  
MURDOCH: S1-internal
- LLB259 Constitutional Law - 3 points  
MURDOCH: S2-internal

**Specified Electives - 3 credit points**

Select from the Specified Elective Unit List below.

**Year 3 - 24 credit points****Research Skills Unit - 3 credit points**

- BJU300 Legal Theory and Research - 3 points  
Not available this year

**Breadth Unit University-Wide - 3 credit points**

- BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

**Core Units - 9 credit points**

- LLB358 Australian Administrative Law - 3 points  
Not available this year
- LLB353 Trusts - 3 points  
Not available this year
- LLB352 Evidence - 3 points  
Not available this year

**Specified Electives - 9 credit points**

Select from the Specified Elective Unit List below.

**Year 4 - 24 credit points****Core Units - 9 credit points**

- LLB452 Corporations Law - 3 points  
Not available this year
- LLB468 Ethics and Professional Responsibility - 3 points  
Not available this year
- LLB450 Civil Procedure - 3 points  
Not available this year

**Specified Electives - 15 credit points**

Select from the Specified Elective Unit List below.

**Specified Elective Unit List**

Select nine Specified Electives from the following units. Units will normally be available at least once every two years.

In addition, Special Topics are available from time to time and may be used as a Specified Elective. Students should consult the Academic Chair to confirm the offering in any particular year.

Students intending to complete Honours should contact the Academic Chair, and should also note that the Honours program will affect the number of specified electives required. It is recommended that students intending to complete Honours enrol in LLB452 Corporations Law in Year 3.

- LLB457 Law in China: Continuity and Change - 3 points  
Not available this year
- LLB355 Admiralty Law - 3 points  
Not available this year
- LLB385 Advanced Clinical Legal Education - 3 points

Not available this year

- LLB396 Celtic Law and Society - 3 points  
Not available this year
- LLB390 Clinical Legal Education - 3 points  
Not available this year
- LLB332 Commercial Law - 3 points  
Not available this year
- LLB325 Comparative Law - 3 points  
IMACERATA: S2G-internal (quota of 35 places)
- LLB341 Conflict of Laws - 3 points  
Not available this year
- LLB391 Dispute Resolution - 3 points  
Not available this year
- LLB363 Employment Relations Law - 3 points  
Not available this year
- LLB356 Environmental, Sustainability and Climate Change Law - 3 points  
Not available this year
- LLB342 European Union Law - 3 points  
IMACERATA: S2G-internal
- LLB370 Family Law - 3 points  
Not available this year
- LLB386 Family Law Clinic - 3 points  
Not available this year
- LLB337 Legal Protection of International Human Rights - 3 points  
MURDOCH: S1-internal  
GENEVA: S2G-internal
- LLB376 International Human Rights Organisations - 3 points  
GENEVA: S2G-internal
- LLB383 Introduction to the European Union and International Labour Market Law - 3 points  
Not available this year
- LLB319 Insurance Law - 3 points  
Not available this year
- LLB375 Introduction to Australian and International Intellectual Property - 3 points  
MURDOCH: S2G-internal
- LLB379 Intellectual Property and the Internet - 3 points  
MURDOCH: SUM-internal
- LLB387 Human Rights Law Clinic - 3 points  
Not available this year
- LLB339 Shipping Law - 3 points  
Not available this year
- LLB397 Mediation - 3 points  
Not available this year
- LLB335 Mining and Natural Resources Law - 3 points  
Not available this year
- LLB305 Native Title Law - 3 points  
Not available this year
- LLB398 Negotiation - 3 points  
Not available this year
- LLB392 Oil and Gas Law - 3 points  
Not available this year
- LLB389 Psychology and Law - 3 points  
Not available this year
- LLB365 Public International Law - 3 points  
Not available this year

LLB284 Victimology and Restorative Justice - 3 points  
MURDOCH: S2G-internal

LLB323 Social and Welfare Law  
Not available this year

LLB381 Supervised Legal Research - 3 points  
GENEVA: S2G-internal  
IMACERATA: S2G-internal

LLB311 International Trade Law - 3 points  
IMACERATA: S2G-internal (quota of 35 places)

LLB312 Law Moot - 3 points  
Not available this year

LLB314 Moot Court Bench - 3 points  
Not available this year

LLB315 Willem C Vis International Commercial Arbitration Moot - 3 points  
Not available this year

LLB327 Refugee Law - 3 points  
GENEVA: S2G-internal

LLB328 Trial Advocacy - 3 points  
Not available this year

LLB345 Succession Law - 3 points  
Not available this year

LLB367 Law of Planning - 3 points  
Not available this year

LLB349 Comparative Contract Law - 3 points  
Not available this year

LLB372 Law of Occupational Health and Safety - 3 points  
Not available this year

LLB451 Advanced Civil Procedure - 3 points  
Not available this year

### Award with Distinction

Students who have completed the four-year Bachelor of Laws at a high standard may be awarded their degree with Distinction or High Distinction.

### Honours

The award of Honours is available on the basis of distinguished achievement in LLB580 Honours Thesis in Law considered together with overall performance in LLB582 Legal Research Methods for Honours and the remaining units in the student's Honours programme of study. Students must have achieved a specified WGPA in Murdoch Law units before they may be permitted to enrol in LLB580 Honours Thesis in Law and in the Honours award.

LLB580 Honours Thesis in Law - 12 points  
MURDOCH: H-internal, Y-internal

LLB582 Legal Research Methods for Honours - 3 points  
MURDOCH: H-internal, Y-internal

Students must complete the following units to count as part of their Honours program of study. Note that all three units are compulsory and must be completed as part of the degree.

LLB450 Civil Procedure - 3 points

LLB452 Corporations Law - 3 points

LLB468 Ethics and Professional Responsibility - 3 points

## LAW + ARTS [COMBINED] (LLB+BA)

School of Law

Bachelor of Laws (LLB) + Bachelor of Arts (BA)

Course Codes: B1326 H1248

Duration: 5 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)
- Some units only: University of Macerata (Macerata, Italy) ['IMACERATA'] (internal) (language of instruction: English) (some Specified Electives only)
- Some units only: Geneva (Geneva, Switzerland) (internal) (language of instruction: English) (some Specified Electives only)
- Some units only: City University of Hong Kong (Hong Kong) ['CITYUHK'] (internal) (by formal agreement) (language of instruction: English) (some Specified Electives only)

Murdoch offers combined degrees which combine Law and another bachelor degree in an integrated course of study. This allows students seeking a Law degree to gain a range of opportunities for the study of disciplines other than law which are greater than those for students within the Law degree studied on its own.

Combined degrees include the Bachelor of Laws with Bachelor of Arts, Bachelor of Science or Bachelor of Business.

### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

### Professional Recognition:

The Murdoch Bachelor of Laws satisfies the University education requirements for the practice of law of the governing bodies of the legal profession of Western Australia. As is the pattern in the rest of Australia, before a candidate may be admitted to the practice of law in this State, certain additional requirements must be satisfied after completion of this formal university training.

### Recommended Double Majors:

Asian Studies; Australian Indigenous Studies; Business Information Systems; Chemistry; Computer Science; Criminology; Economics; English and Creative Writing; Environmental Science; History; Mathematics and Statistics; Philosophy; Politics and International Studies; Social and Developmental Psychology; Sociology; Sustainable Development; Sustainable Development (OUA)

### Excluded Majors:

Legal Studies

### Award of Bachelor of Laws with Honours (LLB(Hons)):

Students must apply for entry into Honours immediately prior to commencing their final 24 points of study.

The award of Honours is available on the basis of distinguished achievement in LLB580 Honours Thesis in Law, considered together with overall performance in LLB582 Legal Research Methods for Honours and two units from LAW452/LLB452 Corporations Law, LAW450/LLB450 Civil Procedure, LAW468/LLB468 Ethics and Professional Responsibility and LLB580 Honours Thesis in Law completed in the Honours year. Students must have achieved a specified WGPA in Murdoch Law units before they may be permitted to enrol in LAW480/LLB580 and enrol in the Honours award.

Students should seek advice and further information from the Academic Chair for Law or the Law School Office.

### Award with Distinction:

Graduation with Distinction or Higher Distinction is awarded on the basis of a high level of academic performance in Murdoch University Law units of Law + Arts (Combined). The award with Distinction and High Distinction is not available to students who

achieve Honours.

## Course Structure - 120 credit points

A combined degree, where one of the degrees is Law, may take longer than 5 years (10 semesters) to complete.

### Part I - 24 credit points

#### Year 1 - 24 credit points

##### Transition Unit - 3 credit points

##### Law Unit - 3 credit points

BJU100 Australian Legal System - 3 points  
MURDOCH: S1-internal, S2-internal

##### Breadth Unit for Degree - 3 credit points

##### Arts Unit - 3 credit points

BAR150 Ideas and Identity - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### Core Units - 15 to 18 credit points

##### Law Units - 9 credit points

LLB152 Torts - 3 points  
MURDOCH: S2-internal

LLB130 Criminal Law and Procedure - 3 points  
MURDOCH: S2-internal

LLB120 Legal Writing for Lawyers - 3 points  
MURDOCH: S1-internal

##### Arts Units - 6 to 9 credit points

Choose from any Arts majors. Refer to the Part I Core Unit requirements of the selected Arts major.

##### General Electives - 0 to 3 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

### Part II - 96 credit points

#### Year 2 - 24 credit points

##### Core Units - 24 credit points

##### Law Units - 15 credit points

LLB259 Constitutional Law - 3 points  
MURDOCH: S2-internal

LLB251 Equity - 3 points  
MURDOCH: S1-internal

LLB260 Contract Law - 3 points  
MURDOCH: S1-internal

LLB253 Property Law A - 3 points  
MURDOCH: S1-internal

LLB254 Property Law B - 3 points  
MURDOCH: S2-internal

##### Arts Units - 9 credit points

Refer to the Part II Core Unit requirements of the selected Arts major.

#### Year 3 - 24 credit points

##### Research Skills Units - 6 credit points

##### Law Unit - 3 credit points

BJU200 Researching Legal Remedies - 3 points  
MURDOCH: S2-internal

##### Arts Unit - 3 credit points

BAR200 Developing Research Skills and Methods - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### Breadth Unit University-Wide - 3 credit points

Select one 200-level University Breadth Unit.

##### Core Units - 12 credit points

##### Law Units - 9 credit points

LLB358 Australian Administrative Law - 3 points  
Not available this year

LLB353 Trusts - 3 points  
Not available this year

LLB352 Evidence - 3 points  
Not available this year

##### Arts Unit - 3 credit points

Refer to the Part II Core Unit requirements of the selected Arts major.

##### Specified Electives - 3 credit points

Select from the Specified Elective Unit List below.

#### Year 4 - 24 credit points

##### Research Skills Units - 6 credit points

##### Law Unit - 3 credit points

BJU300 Legal Theory and Research - 3 points  
Not available this year

##### Arts Unit - 3 credit points

BAR300 Bachelor of Arts Research Skills Unit - 3 points  
Not available this year

##### Breadth Unit University-Wide - 3 credit points

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

##### Core Units - 9 credit points

##### Law Unit - 3 credit points

LLB452 Corporations Law - 3 points  
Not available this year

##### Arts Units - 6 credit points

Refer to the Part II Core Unit requirements of the selected Arts major.

##### Specified Electives - 6 credit points

Select from the Specified Elective Unit List below.

#### Year 5 - 24 credit points

##### Core Units - 6 credit points

##### Law Units - 6 credit points

LLB450 Civil Procedure - 3 points  
Not available this year

LLB468 Ethics and Professional Responsibility - 3 points  
Not available this year

##### Specified Electives - 18 credit points

Select from the Specified Elective Unit List below.

##### Specified Elective Unit List

##### Law Units

Select Specified Electives from the following units during Years 4 and 5.

Units will normally be available at least once every two years.

In addition Special Topics are available from time to time and may be used as a specified elective. Students should consult the Academic Chair to confirm the offering in any particular year.

Students intending to complete Honours should contact the Academic Chair, and should also note that the Honours program will affect the number of specified electives required.

LLB457 Law in China: Continuity and Change - 3 points  
Not available this year

LLB355 Admiralty Law - 3 points  
Not available this year

LLB385 Advanced Clinical Legal Education - 3 points  
Not available this year

LLB396 Celtic Law and Society - 3 points  
Not available this year

LLB390 Clinical Legal Education - 3 points  
Not available this year

LLB332 Commercial Law - 3 points  
Not available this year

LLB325 Comparative Law - 3 points  
IMACERATA: S2G-internal (quota of 35 places)

LLB341 Conflict of Laws - 3 points  
Not available this year

LLB391 Dispute Resolution - 3 points  
Not available this year

LLB363 Employment Relations Law - 3 points  
Not available this year

LLB356 Environmental, Sustainability and Climate Change Law - 3 points  
Not available this year

LLB342 European Union Law - 3 points  
IMACERATA: S2G-internal

LLB370 Family Law - 3 points  
Not available this year

LLB386 Family Law Clinic - 3 points  
Not available this year

LLB387 Human Rights Law Clinic - 3 points  
Not available this year

LLB337 Legal Protection of International Human Rights - 3 points  
MURDOCH: S1-internal  
GENEVA: S2G-internal

LLB376 International Human Rights Organisations - 3 points  
GENEVA: S2G-internal

LLB383 Introduction to the European Union and International Labour Market Law - 3 points  
Not available this year

LLB319 Insurance Law - 3 points  
Not available this year

LLB375 Introduction to Australian and International Intellectual Property - 3 points  
MURDOCH: S2G-internal

LLB379 Intellectual Property and the Internet - 3 points  
MURDOCH: SUM-internal

LLB339 Shipping Law - 3 points  
Not available this year

LLB397 Mediation - 3 points  
Not available this year

LLB335 Mining and Natural Resources Law - 3 points  
Not available this year

LLB305 Native Title Law - 3 points

Not available this year

LLB398 Negotiation - 3 points  
Not available this year

LLB389 Psychology and Law - 3 points  
Not available this year

LLB365 Public International Law - 3 points  
Not available this year

LLB284 Victimology and Restorative Justice - 3 points  
MURDOCH: S2G-internal

LLB323 Social and Welfare Law - 3 points  
Not available this year

LLB381 Supervised Legal Research - 3 points  
GENEVA: S2G-internal  
IMACERATA: S2G-internal

LLB311 International Trade Law - 3 points  
IMACERATA: S2G-internal (quota of 35 places)

LLB312 Law Moot - 3 points  
Not available this year

LLB314 Moot Court Bench - 3 points  
Not available this year

LLB315 Willem C Vis International Commercial Arbitration Moot - 3 points  
Not available this year

LLB327 Refugee Law - 3 points  
GENEVA: S2G-internal

LLB328 Trial Advocacy  
Not available this year

LLB345 Succession Law - 3 points  
Not available this year

LLB367 Law of Planning - 3 points  
Not available this year

LLB349 Comparative Contract Law - 3 points  
Not available this year

LLB372 Law of Occupational Health and Safety - 3 points  
Not available this year

LLB451 Advanced Civil Procedure - 3 points  
Not available this year

### Award with Distinction

Students who have completed the four-year Bachelor of Laws at a high standard may be awarded their degree with Distinction or High Distinction.

### Honours

The award of Honours is available on the basis of distinguished achievement in LLB580 Honours Thesis in Law considered together with overall performance in LLB582 Legal Research Methods for Honours and the remaining units in the student's Honours programme of study. Students must have achieved a specified WGPA in Murdoch Law units before they may be permitted to enrol in LLB580 Honours Thesis in Law and in the Honours award.

LLB580 Honours Thesis in Law - 12 points  
MURDOCH: H-internal, Y-internal

LLB582 Legal Research Methods for Honours - 3 points  
MURDOCH: H-internal, Y-internal

Students must complete the following units to count as part of their Honours program of study. Note that all three units are compulsory and must be completed as part of the degree.

LLB450 Civil Procedure - 3 points

LLB452 Corporations Law - 3 points

LLB468 Ethics and Professional Responsibility - 3 points

**LAW + BUSINESS [COMBINED] (LLB+BBUS)**

School of Law

Bachelor of Laws (LLB) + Bachelor of Business (BBUS)

Course Codes: B1325 H1249

Duration: 5 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Some units only: University of Macerata (Macerata, Italy) ['IMACERATA'] (internal) (language of instruction: English) (some Specified Electives only)
- Some units only: Geneva (Geneva, Switzerland) (internal) (language of instruction: English) (some Specified Electives only)
- Some units only: City University of Hong Kong (Hong Kong) ['CITYUHK'] (internal) (by formal agreement) (language of instruction: English) (some Specified Electives only)

Murdoch offers combined degrees which combine Law and another bachelor degree in an integrated course of study. This allows students seeking a Law degree to gain a range of opportunities for the study of disciplines other than law which are greater than those for students within the Law degree studied on its own.

Combined degrees include the Bachelor of Laws with Bachelor of Arts, Bachelor of Science or Bachelor of Business.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

**Professional Recognition:**

The Murdoch Bachelor of Laws satisfies the University education requirements for the practice of law of the governing bodies of the legal profession of Western Australia. As is the pattern in the rest of Australia, before a candidate may be admitted to the practice of law in this State, certain additional requirements must be satisfied after completion of this formal university training.

**Recommended Double Majors:**

Asian Studies; Australian Indigenous Studies; Business Information Systems; Chemistry; Computer Science; Criminology; Economics; English and Creative Writing; Environmental Science; History; Mathematics and Statistics; Philosophy; Politics and International Studies; Social and Developmental Psychology; Sociology; Sustainable Development; Sustainable Development (OUA)

**Excluded Majors:**

Business Law

**Excluded Minors:**

Business Law

**Award of Bachelor of Laws with Honours (LLB(Hons)):**

Students must apply for entry into Honours immediately prior to commencing their final 24 points of study.

The award of Honours is available on the basis of distinguished achievement in LLB580 Honours Thesis in Law, considered together with overall performance in LLB582 Legal Research Methods for Honours and two units from LAW452/LLB452 Corporations Law, LAW450/LLB450 Civil Procedure, LAW468/LLB468 Ethics and Professional Responsibility and LLB580 Honours Thesis in Law completed in the Honours year. Students must have achieved a specified WGPA in Murdoch Law units before they may be permitted to enrol in LAW480 LLB580 and enrol in the Honours award.

Students should seek advice and further information from the

Academic Chair for Law or the Law School Office.

**Award with Distinction:**

Graduation with Distinction or Higher Distinction is awarded on the basis of a high level of academic performance in Murdoch University Law units of Law + Business (Combined). The award with Distinction and High Distinction is not available to students who achieve Honours.

**Course Structure - 120 credit points**

A combined degree, where one of the degrees is Law, may take longer than 5 years (10 semesters) to complete.

**Part I - 24 credit points****Year 1 - 24 credit points****Transition Unit - 3 credit points**

BJU100 Australian Legal System - 3 points  
MURDOCH: S1-internal, S2-internal

**Breadth Unit for Degree - 3 credit points**

BBS150 Transforming Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Core Units - 18 credit points****Law Units - 9 credit points**

LLB152 Torts - 3 points  
MURDOCH: S2-internal

LLB130 Criminal Law and Procedure - 3 points  
MURDOCH: S2-internal

LLB120 Legal Writing for Lawyers - 3 points  
MURDOCH: S1-internal

**Business Units - 9 credit points**

Choose from any Business majors excluding Business Law. Refer to the Part I Core Unit Requirements of the selected Business major.

**Part II - 96 credit points****Year 2 - 24 credit points****Core Units - 24 credit points****Law Units - 15 credit points**

LLB259 Constitutional Law - 3 points  
MURDOCH: S2-internal

LLB251 Equity - 3 points  
MURDOCH: S1-internal

LLB260 Contract Law - 3 points  
MURDOCH: S1-internal

LLB253 Property Law A - 3 points  
MURDOCH: S1-internal

LLB254 Property Law B - 3 points  
MURDOCH: S2-internal

**Business Units - 9 credit points**

Refer to the Part II Core Unit Requirements of the selected Business major.

**Year 3 - 24 credit points****Research Skills Units - 6 credit points**

BJU200 Researching Legal Remedies - 3 points  
MURDOCH: S2-internal

BBS200 Business Research: An Integrated Approach - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

**Core Units - 12 credit points**

**Law Units - 9 credit points**

LLB358 Australian Administrative Law - 3 points  
Not available this year

LLB353 Trusts - 3 points  
Not available this year

LLB352 Evidence - 3 points  
Not available this year

**Business Unit - 3 credit points**

Refer to the Part II Core Unit Requirements of the selected Business major.

**Specified Electives - 3 credit points**

Select from the Specified Elective Unit List below.

**Year 4 - 24 credit points**

**Research Skills Units - 6 credit points**

BJU300 Legal Theory and Research - 3 points  
Not available this year

BBS300 Empirical Research Methods for Business - 3 points  
Not available this year

**Breadth Unit University-Wide - 3 credit points**

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

**Core Units - 9 credit points**

**Law Unit - 3 credit points**

LLB452 Corporations Law - 3 points  
Not available this year

**Business Units - 6 credit points**

Refer to the Part II Core Unit Requirements of the selected Business major.

**Specified Electives - 6 credit points**

Select from the Specified Elective Unit List below.

**Year 5 - 24 credit points**

**Core Units - 6 credit points**

**Law Units - 6 credit points**

LLB450 Civil Procedure - 3 points  
Not available this year

LLB468 Ethics and Professional Responsibility - 3 points  
Not available this year

**Specified Electives - 18 credit points**

Select from the Specified Elective Unit List below.

**Specified Elective Unit List**

**Law Units**

Select Specified Electives from the following units during Years 4 and 5.

Units will normally be available at least once every two years.

In addition Special Topics are available from time to time and may be used as a specified elective. Students should consult the Academic Chair to confirm the offering in any particular year.

Students intending to complete Honours should contact the Academic Chair, and should also note that the Honours program will affect the number of specified electives required.

LLB457 Law in China: Continuity and Change - 3 points

Not available this year

LLB355 Admiralty Law - 3 points  
Not available this year

LLB385 Advanced Clinical Legal Education - 3 points  
Not available this year

LLB396 Celtic Law and Society - 3 points  
Not available this year

LLB390 Clinical Legal Education - 3 points  
Not available this year

LLB332 Commercial Law - 3 points  
Not available this year

LLB325 Comparative Law - 3 points  
IMACERATA: S2G-internal (quota of 35 places)

LLB341 Conflict of Laws - 3 points  
Not available this year

LLB391 Dispute Resolution - 3 points  
Not available this year

LLB363 Employment Relations Law - 3 points  
Not available this year

LLB356 Environmental, Sustainability and Climate Change Law - 3 points  
Not available this year

LLB342 European Union Law - 3 points  
IMACERATA: S2G-internal

LLB370 Family Law - 3 points  
Not available this year

LLB386 Family Law Clinic - 3 points  
Not available this year

LLB387 Human Rights Law Clinic - 3 points  
Not available this year

LLB337 Legal Protection of International Human Rights - 3 points  
MURDOCH: S1-internal  
GENEVA: S2G-internal

LLB376 International Human Rights Organisations - 3 points  
GENEVA: S2G-internal

LLB383 Introduction to the European Union and International Labour Market Law - 3 points  
Not available this year

LLB319 Insurance Law - 3 points  
Not available this year

LLB375 Introduction to Australian and International Intellectual Property - 3 points  
MURDOCH: S2G-internal

LLB379 Intellectual Property and the Internet - 3 points  
MURDOCH: SUM-internal

LLB339 Shipping Law - 3 points  
Not available this year

LLB397 Mediation - 3 points  
Not available this year

LLB335 Mining and Natural Resources Law - 3 points  
Not available this year

LLB305 Native Title Law - 3 points  
Not available this year

LLB398 Negotiation - 3 points  
Not available this year

LLB389 Psychology and Law - 3 points

Not available this year

LLB365 Public International Law - 3 points  
Not available this year

LLB284 Victimology and Restorative Justice - 3 points  
MURDOCH: S2G-internal

LLB323 Social and Welfare Law - 3 points  
Not available this year

LLB381 Supervised Legal Research - 3 points  
GENEVA: S2G-internal  
IMACERATA: S2G-internal

LLB311 International Trade Law - 3 points  
IMACERATA: S2G-internal (quota of 35 places)

LLB312 Law Moot - 3 points  
Not available this year

LLB314 Moot Court Bench - 3 points  
Not available this year

LLB315 Willem C Vis International Commercial Arbitration Moot - 3 points  
Not available this year

LLB327 Refugee Law - 3 points  
GENEVA: S2G-internal

LLB328 Trial Advocacy - 3 points  
Not available this year

LLB345 Succession Law - 3 points  
Not available this year

LLB367 Law of Planning - 3 points  
Not available this year

LLB349 Comparative Contract Law - 3 points  
Not available this year

LLB372 Law of Occupational Health and Safety - 3 points  
Not available this year

LLB451 Advanced Civil Procedure - 3 points  
Not available this year

### Award with Distinction

Students who have completed the four-year Bachelor of Laws at a high standard may be awarded their degree with Distinction or High Distinction.

### Honours

The award of Honours is available on the basis of distinguished achievement in LLB580 Honours Thesis in Law considered together with overall performance in LLB582 Legal Research Methods for Honours and the remaining units in the student's Honours programme of study. Students must have achieved a specified WGPA in Murdoch Law units before they may be permitted to enrol in LLB580 Honours Thesis in Law and in the Honours award.

LLB580 Honours Thesis in Law - 12 points

LLB582 Legal Research Methods for Honours  
MURDOCH: H-internal, Y-internal

Students must complete the following units to count as part of their Honours program of study. Note that all three units are compulsory and must be completed as part of the degree.

LLB450 Civil Procedure - 3 points

LLB452 Corporations Law - 3 points

LLB468 Ethics and Professional Responsibility - 3 points

## LAW + SCIENCE [COMBINED] (LLB+BSC)

School of Law

Bachelor of Laws (LLB) + Bachelor of Science (BSc)

Course Codes: B1324 H1250

Duration: 5 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)
- Some units only: University of Macerata (Macerata, Italy) ['IMACERATA'] (internal) (language of instruction: English) (some Specified Electives only)
- Some units only: Geneva (Geneva, Switzerland) (internal) (language of instruction: English) (some Specified Electives only)
- Some units only: City University of Hong Kong (Hong Kong) ['CITYUHK'] (internal) (by formal agreement) (language of instruction: English) (some Specified Electives only)

Murdoch offers combined degrees which combine Law and another bachelor degree in an integrated course of study. This allows students seeking a Law degree to gain a range of opportunities for the study of disciplines other than law which are greater than those for students within the Law degree studied on its own.

Combined degrees include the Bachelor of Laws with Bachelor of Arts, Bachelor of Science or Bachelor of Business.

### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

### Professional Recognition:

The Murdoch Bachelor of Laws satisfies the University education requirements for the practice of law of the governing bodies of the legal profession of Western Australia. As is the pattern in the rest of Australia, before a candidate may be admitted to the practice of law in this State, certain additional requirements must be satisfied after completion of this formal university training.

### Recommended Double Majors:

Asian Studies; Australian Indigenous Studies; Business Information Systems; Chemistry; Computer Science; Criminology; Economics; English and Creative Writing; Environmental Science; History; Mathematics and Statistics; Philosophy; Politics and International Studies; Social and Developmental Psychology; Sociology; Sustainable Development; Sustainable Development (OUA)

### Excluded Majors:

Legal Studies

### Award of Bachelor of Laws with Honours (LLB(Hons)):

Students must apply for entry into Honours immediately prior to commencing their final 24 points of study.

The award of Honours is available on the basis of distinguished achievement in LLB580 Honours Thesis in Law, considered together with overall performance in LLB582 Legal Research Methods for Honours and two units from LAW452/LLB452 Corporations Law, LAW450/LLB450 Civil Procedure, LAW468/LLB468 Ethics and Professional Responsibility and LLB580 Honours Thesis in Law completed in the Honours year. Students must have achieved a specified WGPA in Murdoch Law units before they may be permitted to enrol in LAW480 LLB580 and enrol in the Honours award.

Students should seek advice and further information from the Academic Chair for Law or the Law School Office.

### Award with Distinction:

Graduation with Distinction or Higher Distinction is awarded on the basis of a high level of academic performance in Murdoch University Law units of Law + Science (Combined). The award with Distinction and High Distinction is not available to students who



achieve Honours.

### **Course Structure - 120 credit points**

A combined degree, where one of the degrees is Law, may take longer than 5 years (10 semesters) to complete.

#### **Part I - 24 credit points**

##### **Year 1 - 24 credit points**

###### **Transition Unit - 3 credit points**

BJU100 Australian Legal System - 3 points  
MURDOCH: S1-internal, S2-internal

###### **Breadth Unit for Degree - 3 credit points**

BSC150 What is Science? - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

###### **Core Units - 18 credit points**

###### **Law Units - 9 credit points**

LLB152 Torts - 3 points  
MURDOCH: S2-internal

LLB130 Criminal Law and Procedure - 3 points  
MURDOCH: S2-internal

LLB120 Legal Writing for Lawyers - 3 points  
MURDOCH: S1-internal

###### **Science Units - 9 credit points**

Choose from any Science majors. Refer to the Part I Core Unit requirements of the selected Science major.

#### **Part II - 96 credit points**

##### **Year 2 - 24 credit points**

###### **Core Units - 24 credit points**

###### **Law Units - 15 credit points**

LLB259 Constitutional Law - 3 points  
MURDOCH: S2-internal

LLB251 Equity - 3 points  
MURDOCH: S1-internal

LLB260 Contract Law - 3 points  
MURDOCH: S1-internal

LLB253 Property Law A - 3 points  
MURDOCH: S1-internal

LLB254 Property Law B - 3 points  
MURDOCH: S2-internal

###### **Science Units - 9 credit points**

Refer to the Part II Core Unit requirements of the selected Science major.

##### **Year 3 - 24 credit points**

###### **Research Skills Units - 6 credit points**

BJU200 Researching Legal Remedies - 3 points  
MURDOCH: S2-internal

BSC200 Research in the Physical and Life Sciences - 3 points  
MURDOCH: S1-internal, S1-external

###### **Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

###### **Core Units - 12 credit points**

###### **Law Units - 9 credit points**

LLB358 Australian Administrative Law - 3 points  
Not available this year

LLB353 Trusts - 3 points

Not available this year

LLB352 Evidence - 3 points  
Not available this year

###### **Science Unit - 3 credit points**

Refer to the Part II Core Unit requirements of the selected Science major.

###### **Specified Electives - 3 credit points**

Select from the Specified Elective Unit List below.

##### **Year 4 - 24 credit points**

###### **Research Skills Units - 6 credit points**

BJU300 Legal Theory and Research - 3 points  
Not available this year

BSC300 Bachelor of Science Research Skills Unit - 3 points  
Not available this year

###### **Breadth Unit University-Wide - 3 credit points**

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

###### **Core Units - 9 credit points**

###### **Law Unit - 3 credit points**

LLB452 Corporations Law - 3 points  
Not available this year

###### **Science Units - 6 credit points**

Refer to the Part II Core Unit requirements of the selected Science major.

###### **Specified Electives - 6 credit points**

Select from the Specified Elective Unit List below.

##### **Year 5 - 24 credit points**

###### **Core Units - 6 credit points**

###### **Law Units - 6 credit points**

LLB450 Civil Procedure - 3 points  
Not available this year

LLB468 Ethics and Professional Responsibility - 3 points  
Not available this year

###### **Specified Electives - 18 credit points**

Select from the Specified Elective Unit List below.

###### **Specified Elective Unit List**

###### **Law Units**

Select Specified Electives from the following units during Years 4 and 5.

Units will normally be available at least once every two years.

In addition Special Topics are available from time to time and may be used as a specified elective. Students should consult the Academic Chair to confirm the offering in any particular year.

Students intending to complete Honours should contact the Academic Chair, and should also note that the Honours program will affect the number of specified electives required.

LLB457 Law in China: Continuity and Change - 3 points  
Not available this year

LLB355 Admiralty Law - 3 points  
Not available this year

LLB385 Advanced Clinical Legal Education - 3 points  
Not available this year

LLB396 Celtic Law and Society - 3 points

Not available this year

LLB390 Clinical Legal Education - 3 points

Not available this year

LLB332 Commercial Law - 3 points

Not available this year

LLB325 Comparative Law - 3 points

IMACERATA: S2G-internal (quota of 35 places)

LLB341 Conflict of Laws - 3 points

Not available this year

LLB391 Dispute Resolution - 3 points

Not available this year

LLB363 Employment Relations Law - 3 points

Not available this year

LLB356 Environmental, Sustainability and Climate Change Law - 3 points

Not available this year

LLB342 European Union Law - 3 points

IMACERATA: S2G-internal

LLB370 Family Law - 3 points

Not available this year

LLB386 Family Law Clinic - 3 points

Not available this year

LLB387 Human Rights Law Clinic - 3 points

Not available this year

LLB337 Legal Protection of International Human Rights - 3 points

MURDOCH: S1-internal

GENEVA: S2G-internal

LLB376 International Human Rights Organisations - 3 points

GENEVA: S2G-internal

LLB383 Introduction to the European Union and International

Labour Market Law - 3 points

Not available this year

LLB319 Insurance Law - 3 points

Not available this year

LLB375 Introduction to Australian and International Intellectual Property - 3 points

MURDOCH: S2G-internal

LLB379 Intellectual Property and the Internet - 3 points

MURDOCH: SUM-internal

LLB339 Shipping Law - 3 points

Not available this year

LLB397 Mediation - 3 points

Not available this year

LLB335 Mining and Natural Resources Law - 3 points

Not available this year

LLB305 Native Title Law - 3 points

Not available this year

LLB398 Negotiation - 3 points

Not available this year

LLB389 Psychology and Law - 3 points

Not available this year

LLB365 Public International Law - 3 points

Not available this year

LLB284 Victimology and Restorative Justice - 3 points

MURDOCH: S2G-internal

LLB323 Social and Welfare Law - 3 points

Not available this year

LLB381 Supervised Legal Research - 3 points

GENEVA: S2G-internal

IMACERATA: S2G-internal

LLB311 International Trade Law - 3 points

IMACERATA: S2G-internal (quota of 35 places)

LLB312 Law Moot - 3 points

Not available this year

LLB314 Moot Court Bench - 3 points

Not available this year

LLB315 Willem C Vis International Commercial Arbitration Moot - 3 points

Not available this year

LLB327 Refugee Law - 3 points

GENEVA: S2G-internal

LLB328 Trial Advocacy - 3 points

Not available this year

LLB345 Succession Law - 3 points

Not available this year

LLB367 Law of Planning - 3 points

Not available this year

LLB349 Comparative Contract Law - 3 points

Not available this year

LLB372 Law of Occupational Health and Safety - 3 points

Not available this year

LLB451 Advanced Civil Procedure - 3 points

Not available this year

### Award with Distinction

Students who have completed the four-year Bachelor of Laws at a high standard may be awarded their degree with Distinction or High Distinction.

### Honours

The award of Honours is available on the basis of distinguished achievement in LLB580 Honours Thesis in Law considered together with overall performance in LLB582 Legal Research Methods for Honours and the remaining units in the student's Honours programme of study. Students must have achieved a specified WGPA in Murdoch Law units before they may be permitted to enrol in LLB580 Honours Thesis in Law and in the Honours award.

LLB580 Honours Thesis in Law - 12 points

LLB582 Legal Research Methods for Honours - 3 points

MURDOCH: H-internal, Y-internal

Students must complete the following units to count as part of their Honours program of study. Note that all three units are compulsory and must be completed as part of the degree.

LLB450 Civil Procedure - 3 points

LLB452 Corporations Law - 3 points

LLB468 Ethics and Professional Responsibility - 3 points

## LEGAL STUDIES

### See also:

Criminology  
Law

## LEGAL STUDIES (BA)

School of Law

Bachelor of Arts (BA) in Legal Studies

Course Codes: B1316

Duration: 3 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)
- Some units only: Murdoch campus (external)

This major will provide students with the knowledge and skills necessary to analyse the dynamic role and function of law in society, to understand legal concepts and language and to develop expertise in legal research and reasoning. Studies will focus on a range of social welfare and dispute resolution issues.

In the Bachelor of Arts you will develop a broad understanding of your field and proficiency in producing written and oral arguments and creative artifacts in response to social, human and natural phenomena. You will also develop a critical appreciation of the perspectives of others. As an Arts graduate you will be able to think critically and creatively, apply knowledge and information, and communicate effectively. These are professional skills which are critical across a range of industries. You will also be able to pursue further study in the fields of social research, the humanities and/or the creative arts.

### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

### Employment Prospects:

Employment prospects are varied. The interdisciplinary nature of the degree and the ability of students to undertake double majors or additional minors enhances job prospects in any field with which law has a connection.

### Recommended Double Majors:

Criminology; Philosophy; Politics and International Studies; Sociology

### Recommended Minors:

Social and Developmental Psychology

### Excluded Majors:

Law; Law + Arts [Combined]; Law + Science [Combined]

## Course Structure - 72 credit points

### Part I - 24 credit points

#### Year 1 - 24 credit points

##### Transition Unit - 3 credit points

BAR100 Academic Learning Skills - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### Breadth Unit for Degree - 3 credit points

BAR150 Ideas and Identity - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### Core Units - 9 credit points

BSL165 Foundations of Business Law - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

OR

LEG150 Introduction to Legal Studies - 3 points  
Not available this year

LEG100 Law, Justice and Social Policy - 3 points  
MURDOCH: S2-internal

LEG120 Legal Research - 3 points  
MURDOCH: S1-internal

### General Electives - 9 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

Recommended for Legal Studies students:

BJU150 Law in Context - 3 points  
MURDOCH: S1-internal

## Part II - 48 credit points

### Year 2 - 24 credit points

#### Research Skills Unit - 3 credit points

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

#### For Primary Major in Social and Developmental Psychology

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
MURDOCH: S1-internal

#### For All Other Primary Majors

BAR200 Developing Research Skills and Methods - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

#### Breadth Unit University-Wide - 3 credit points

Select one 200-level University Breadth Unit.

#### Core Units - 9 credit points

LEG253 Power, Government and Legal Accountability - 3 points  
Not available this year

CRM284 Victimology and Restorative Justice - 3 points  
MURDOCH: S2G-internal

BSL202 Workplace Law - 3 points  
MURDOCH: S2-internal, S2-external

#### General Electives - 9 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

### Year 3 - 24 credit points

#### Research Skills Unit - 3 credit points

BAR300 Bachelor of Arts Research Skills Unit - 3 points  
Not available this year

#### Breadth Unit University-Wide - 3 credit points

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

#### Core Units - 9 credit points

LEG323 Social and Welfare Law - 3 points  
Not available this year

LEG391 Dispute Resolution - 3 points  
Not available this year

LEG397 Mediation - 3 points  
Not available this year

### General Electives - 9 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

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## LEGAL STUDIES HONOURS (BA(HONS))

School of Law

Bachelor of Arts Honours (BA(Hons)) in Legal Studies

Course Codes: H1256

Duration: 1 year full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop the ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

### Admission Requirements (Onshore):

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Distinction average; subject to availability of a suitable supervisor and approval by the Dean of the School.

Students interested in Honours enrolment are advised to contact the Law School Office before application to discuss supervision of their potential research.

English competence.

### Apply Online:

Applications can be made online at  
<http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

## Course Structure - 24 credit points

### Coursework - 9 credit points

#### Core Units - 9 credit points

LEG530 Legal Studies Honours Seminar - 3 points  
MURDOCH: S1-internal, S2-internal, Y-internal

LEG511 Honours Placement in Legal Studies - 3 points  
MURDOCH: S1-internal

LEG512 Advanced Socio-legal Research Methods for Legal Studies - 3 points  
MURDOCH: S1-internal, S2-internal, Y-internal

### Thesis - 15 credit points

LEG519 Honours Thesis in Legal Studies - 15 points  
MURDOCH: S1-internal, Y-internal

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## MANAGEMENT

### MANAGEMENT (BBUS)

School of Management and Governance

Bachelor of Business (BBus) in Management

Course Codes: B1318

Duration: 3 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

Management refers to the process of employing resources to achieve customer needs. The study of management explores a wide range of relevant issues, theories and perspectives to better prepare people to understand the complexities and responsibilities of managerial life in the twenty-first century. A fourth year of study is available in the form of an honours year.

A Bachelor of Business provides a broad understanding of individual, organisational and societal issues. You will have the practical skills to identify business opportunities, analyse problems and implement solutions and you will be able to demonstrate a knowledge of business principles across key functional areas. You will have depth of knowledge in one or more business disciplines: accounting, banking, business law, economics, finance, hospitality and tourism management, human resources management, international business, management, and marketing.

### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

### Recommended Double Majors:

Hospitality and Tourism Management; Human Resources Management; Marketing

## Course Structure - 72 credit points

### Part I - 24 credit points

#### Year 1 - 24 credit points

##### Transition Unit - 3 credit points

BBS100 Academic Skills for Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### Breadth Unit for Degree - 3 credit points

BBS150 Transforming Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

#### Core Units - 12 credit points

BUS130 Foundational Mathematics for Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

BUS176 Foundations of Management and Governance - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

BSL165 Foundations of Business Law - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

BUS170 Foundations of Accounting - 3 points  
MURDOCH: S2-internal, S2-external

### General Electives - 6 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

### Part II - 48 credit points

**Year 2 - 24 credit points****Research Skills Unit - 3 credit points**

BBS200 Business Research: An Integrated Approach - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

**Core Units - 9 credit points**

BUS293 Organisational Theory and Behaviour - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

BSL202 Workplace Law - 3 points  
MURDOCH: S2-internal, S2-external

BUS298 Organisation Development and Change - 3 points  
MURDOCH: S2-internal, S2-external

**General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Year 3 - 24 credit points****Research Skills Unit - 3 credit points**

BBS300 Empirical Research Methods for Business - 3 points  
Not available this year

OR

BBS301 Business Research: Integrated and Mixed Methods - 3 points  
Not available this year

**Breadth Unit University-Wide - 3 credit points**

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

**Core Units - 9 credit points**

BUS348 Knowledge Management - 3 points  
Not available this year

BUS349 Strategic Management - 3 points  
Not available this year

BUS344 International Management - 3 points  
Not available this year

**General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

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**MANAGEMENT (BCOM)**

School of Management and Governance

Bachelor of Commerce (BCom) in Management

Course Codes: B1003 B1003A

Duration: 3 years full-time or part-time equivalent; SGP1: 4 trimesters full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal) (no new admissions from 2015 at this location for first-year commencing students)
- Murdoch campus (external) (no new admissions from 2015 at this location for first-year commencing students)
- SMF Institute of Higher Learning (Singapore) ['SGP1'] (internal)

(by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced by a Bachelor of Business)

- KDU College (Petaling Jaya, Malaysia) ['KDUPJ'] (internal) (by formal agreement) (language of instruction: English) (not available to new admissions at this location)
- Kaplan Higher Education Institute and Kaplan Higher Education Academy (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced by a Bachelor of Business)
- Murdoch University International Study Centre (Dubai, UAE) ['DUBAI-ISC'] (internal) (by formal agreement) (language of instruction: English)

Management refers to the process of employing resources to achieve customer needs. Traditionally, the study of management was concerned with the four functions of planning, organising, directing and controlling. Although these functions are vital for the well-being of organisations, contemporary workplaces are highly dynamic and they bring a new set of challenges to management. The study of management explores a wide range of relevant issues, theories and perspectives to better prepare people to understand the complexities and responsibilities of managerial life in the twenty-first century.

A fourth year of study is available in the form of an honours year.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

**Course Structure - 72 credit points****Part I - 24 credit points****Foundation Unit - 3 credit points**

From 2014, Foundation units will no longer be offered at the Murdoch Campus. Students who have not yet successfully completed a Foundation unit will be required to enrol in the following Transition Unit.

BBS100 Academic Skills for Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Students enrolled at the Dubai or Kaplan campus will enrol in:

FBN107 Next Life - 3 points  
DUBAI-ISC: TJD-internal, TMD-internal, TSD-internal  
KAPLAN-SGP: TMA-internal, TSA-internal

**Core Units - 15 credit points**

BSL165 Foundations of Business Law - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

OR

BUS165 Principles of Commercial Law - 3 points  
DUBAI-ISC: TJD-internal, TSD-internal

BUS161 Introduction to Economics - 3 points  
DUBAI-ISC: TMD-internal

OR

BUS171 Foundations of Economics - 3 points  
MURDOCH: S1-external, S2-internal, S2-external

BUS160 Introduction to Accounting - 3 points  
DUBAI-ISC: TJD-internal, TSD-internal

OR

BUS170 Foundations of Accounting - 3 points

MURDOCH: S2-internal, S2-external

BUS169 Principles of Marketing - 3 points  
DUBAI-ISC: TMD-internal

OR

BUS183 Foundations of Marketing - 3 points  
MURDOCH: S2-internal, S2-external

BUS145 Principles of Management - 3 points  
DUBAI-ISC: TJD-internal, TSD-internal

OR

BUS176 Foundations of Management and Governance - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

### General Electives - 6 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

## Part II - 48 credit points

### Core Units - 24 credit points

BUS223 Organisational Theory and Behaviour - 4 points  
DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal  
SGP1: TJB-internal, TSB-internal  
(no longer available at Murdoch campus: contact the Academic Chair for advice)

BSL228 Workplace Law - 4 points

OR

BSL202 Workplace Law - 3 points  
MURDOCH: S2-internal, S2-external

OR

BUS228 Workplace Law - 4 points  
DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal  
SGP1: TJB-internal, TSB-internal  
(no longer available at Murdoch campus: contact the Academic Chair for advice)

BUS240 Organisation Development and Human Resources Management - 4 points  
DUBAI-ISC: TMD-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal  
SGP1: TMB-internal  
(no longer available at Murdoch campus: contact the Academic Chair for advice)

BUS378 Knowledge and Organisational Learning - 4 points  
MURDOCH: S1-internal, S1-external  
DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TJA-internal, TSA-internal  
KDUPJ: S1U-internal  
SGP1: TJB-internal, TSB-internal

BUS317 Strategic Management - 4 points  
MURDOCH: S2-internal, S2-external  
DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TJA-internal, TSA-internal  
SGP1: TJB-internal, TSB-internal

BUS323 International Management - 4 points  
MURDOCH: S1-internal, S1-external  
DUBAI-ISC: TMD-internal  
KAPLAN-SGP: TMA-internal  
KDUPJ: S1U-internal

SGP1: TMB-internal

### General Electives - 24 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

Recommended for General Elective points only:

BUS267 Work-Based Learning - 3 points  
MURDOCH: S1-internal (quota of 50 places)

## MANAGEMENT HONOURS (BBUS(HONS))

School of Management and Governance

Bachelor of Business Honours (BBus(Hons)) in Management

Course Codes: H1255

Duration: 1 year full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop the ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

### Admission Requirements (Onshore):

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Distinction average in units relating to the planned Honours study and a Distinction average overall. Subject to availability of a suitable supervisor and approval by the Dean of School.

English competence.

### Apply Online:

Applications can be made online at  
<http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

## Course Structure - 24 credit points

### Coursework - 12 credit points

#### Core Units - 9 credit points

MBS516 Advanced Honours Topic A - 3 points  
MURDOCH: S1-internal, S2-internal, Y-internal

MBS512 Advanced Honours Topic B - 3 points  
MURDOCH: S1-internal, S2-internal, Y-internal

MBS517 Advanced Honours Research Preparation - 3 points  
MURDOCH: S1-internal, S2-internal

#### Elective Unit - 3 credit points

Any 500 level unit - 3 points

### Thesis - 12 credit points

MBS519 Honours Thesis - 12 points  
MURDOCH: S1-internal, S2-internal, Y-internal

## MARINE SCIENCE

### See also:

Environmental Science

## MARINE SCIENCE (BSC)

School of Veterinary and Life Sciences

Bachelor of Science (BSc) in Marine Science

Course Codes: B1317

Duration: 3 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)
- Some units only: Murdoch campus (external)

Restriction: Enrolment is subject to restriction due to constraints on unit enrolments.

Murdoch University offers a Marine Science major at undergraduate level to provide specialised knowledge enabling students to understand the complex physical and biological interactions within the ocean, to gain an ability to assess the state of the marine environment, and to be able to predict the consequences of future disturbances to this environment.

These majors will provide skills to apply the knowledge gained towards environmental management, with an emphasis on coastal systems. A number of units deal specifically with coastal management issues and oceanography and marine pollution.

Murdoch's Bachelor of Science is a flexible degree which gives you the opportunity to build deep understanding and practical experience as well as to supplement your studies by engaging with industry and the community on relevant problems. You can even undertake studies through another discipline to broaden your understanding of the way in which science operates in relation to social, business, health and policy environments.

### Admission Requirements (Onshore):

As per normal undergraduate admission requirements. There are no prerequisites for admission but it is highly desirable for students to have undertaken TEE Chemistry or Chemistry 3A/3B and at least TEE Discrete Mathematics or Mathematics 2C/2D.

English competence.

### Special Requirements:

Students undertaking units in Marine Science will not be required to kill any vertebrate animal but they will be required to work with fresh tissue from dead animals in certain units.

### Employment Prospects:

Through a combination of required and elective units, students can direct their studies towards employment opportunities in marine environmental management, fisheries, aquaculture, the offshore oil and gas industry, tourism and recreation, marine biotechnology, biodiversity conservation and marine ecology.

### Recommended Double Majors:

Biological Sciences; Conservation and Wildlife Biology; Environmental Science

### Main Research Areas:

Marine biology and ecology, fisheries science, air-sea interaction, coastal and marine management, environmental management, pollution, marine conservation, marine biotechnology, oceanography, hydrodynamics.

### Course Commencement:

Students are advised that a Semester 1 intake is preferred. A Semester 2 start will require 3.5 years to complete.

## Major Prerequisites

### Chemistry Background

Students who achieved a final scaled score of 60 percent or more in Chemistry 3A/3B within the past three years should seek an exemption from their Academic Chair for CHE140 Fundamentals of Chemistry. Students who have completed previous chemistry not stated above should also consult their Academic Chair for clarification of their enrolment requirements.

### Mathematics Background

Students need to have completed one of the following within the past three years:

Mathematics 2C/2D with a final scaled score of 55 percent or more

OR

MAS164 Fundamentals of Mathematics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous mathematics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

## Course Structure - 72 credit points

### Part I - 24 credit points

#### Year 1 - 24 credit points

##### Transition Unit - 3 credit points

BSC100 Building Blocks for Science Students - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### Breadth Unit for Degree - 3 credit points

BSC150 What is Science? - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### Core Units - 15 credit points

BIO180 Introduction to Marine Biology - 3 points  
MURDOCH: S1-internal

CHE140 Fundamentals of Chemistry - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

CHE144 Foundations of Chemistry - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

ENV102 Foundations of the Environment - 3 points  
MURDOCH: S2-internal, S2-external

MAS183 Statistical Data Analysis - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### General Electives - 3 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

### Part II - 48 credit points

#### Year 2 - 24 credit points

##### Research Skills Unit - 3 credit points

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

##### For Primary Major in Cognitive Neuroscience and Health Psychology

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
MURDOCH: S1-internal

##### For Primary Majors in the Health Sciences, as listed

Primary Major in Chiropractic Science, Exercise Physiology, Movement Science, or Sport and Health Science:

BSC206 Introduction to Research Methodology and Evidence Based Practice - 3 points  
MURDOCH: S2-internal

#### **For Primary Majors in Information Technology**

BSC203 Introduction to ICT Research Methods - 3 points  
MURDOCH: S1-internal, S1-external

#### **For All Other Primary Majors**

BSC200 Research in the Physical and Life Sciences - 3 points  
MURDOCH: S1-internal, S1-external

#### **Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

#### **Core Units - 12 credit points**

BIO244 Animal Diversity - 3 points  
MURDOCH: S2-internal

BIO254 Marine Botany - 3 points  
MURDOCH: S1-internal

ENV244 Oceanography and Marine Pollution - 3 points  
MURDOCH: S2-internal (quota of 40 places)

ENV242 Atmospheric Science - 3 points  
MURDOCH: S1-internal, S1-external

#### **General Electives - 6 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

#### **Year 3 - 24 credit points**

##### **Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

##### **For Primary Majors in Information Technology**

BSC301 Applied Research Skills in ICT - 3 points  
Not available this year

##### **For All Other Primary Majors**

BSC300 Bachelor of Science Research Skills Unit - 3 points  
Not available this year

##### **Breadth Unit University-Wide - 3 credit points**

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

##### **Core Units - 6 credit points**

BIO377 Marine Ecology - 3 points  
Not available this year

ENV333 Coastal and Marine Management - 3 points  
Not available this year

##### **General Electives - 12 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

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## **MARINE SCIENCE HONOURS (BSC(HONS))**

School of Veterinary and Life Sciences

Bachelor of Science Honours (BSc(Hons)) in Marine Science

Course Codes: H1257

Duration: 1 year full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

The aim of the Honours year is to extend the student's grasp of the principles and practice of their subject, to develop ability for independent research, and to facilitate their entry into industry employment.

An Honours qualification of at least 2A is normally required for admission to higher research degree study.

#### **Admission Requirements (Onshore):**

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Credit average (GPA 2); subject to availability of a suitable supervisor and approval by the School Dean.

Students interested in enrolling in Honours are advised to contact the Academic Chair before application to discuss supervision of their potential research project.

English competence.

#### **Apply Online:**

Applications can be made online at  
<http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

#### **Employment Prospects:**

Employment opportunities exist in marine environmental management, fisheries, aquaculture, the offshore oil and gas industry, tourism and recreation, oceanography, marine biotechnology, biodiversity conservation and marine ecology.

#### **Main Research Areas:**

Marine biology and ecology, fisheries science, air-sea interaction, coastal and marine management, environmental management, pollution, marine conservation, marine biotechnology, oceanography, hydrodynamics.

### **Course Structure - 24 credit points**

#### **Coursework - 3 credit points**

VLS683 Advanced Research Methods for Scientists - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

#### **Thesis - 21 credit points**

VLS555 Honours Thesis in Marine Science - 21 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

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## **MARKETING**

#### **See also:**

Public Relations

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### **MARKETING (BBUS)**

School of Management and Governance

Bachelor of Business (BBus) in Marketing

Course Codes: B1318

Duration: 3 years full-time or part-time equivalent



**Availability:**

- Murdoch campus (internal)
- Some units only: Murdoch campus (external) (all but one unit)

Marketing is about understanding market trends, and developing sustainable competitive strategies for products and services to satisfy customers profitability. The Marketing major provides the required knowledge and skills, which all types of employers (private, public and voluntary sectors) look for. Typical job destinations are in brand management, retail and distribution management, marketing communications, market research and development of marketing strategy plans. Units offered cover a number of interesting topics such as Electronic Marketing, International Marketing, Advertising Production and Services (Tourism) Marketing. All marketing theory is brought to life by case studies, strategic marketing projects (capstone 3rd year), overseas study tours and work placements.

A Bachelor of Business provides a broad understanding of individual, organisational and societal issues. You will have the practical skills to identify business opportunities, analyse problems and implement solutions and you will be able to demonstrate a knowledge of business principles across key functional areas. You will have depth of knowledge in one or more business disciplines: accounting, banking, business law, economics, finance, hospitality and tourism management, human resources management, international business, management, and marketing.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

**Employment Prospects:**

Students are often surprised to find how broadly applicable marketing can be to a variety of occupations. Marketing is relevant not only to manufacturing companies, wholesalers and retailers but to every organisation. Lawyers, accountants, physicians and management consultants are increasingly using marketing ideas to expand their practices. Anyone involved in an exchange process would benefit from a unit in marketing.

**Professional Recognition:**

Australian Marketing Institute.

**Recommended Double Majors:**

Human Resources Management; Management

**Course Structure - 72 credit points****Part I - 24 credit points****Year 1 - 24 credit points****Transition Unit - 3 credit points**

BBS100 Academic Skills for Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Breadth Unit for Degree - 3 credit points**

BBS150 Transforming Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Core Units - 12 credit points**

BUS130 Foundational Mathematics for Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

BUS176 Foundations of Management and Governance - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

BUS171 Foundations of Economics - 3 points  
MURDOCH: S1-external, S2-internal, S2-external

BUS183 Foundations of Marketing - 3 points  
MURDOCH: S2-internal, S2-external

**General Electives - 6 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Part II - 48 credit points****Year 2 - 24 credit points****Research Skills Unit - 3 credit points**

BBS200 Business Research: An Integrated Approach - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

**Core Units - 9 credit points**

BUS296 Services Marketing - 3 points  
MURDOCH: S1-internal, S1-external

BUS299 Consumer Behaviour - 3 points  
MURDOCH: S2-internal, S2-external

BUS210 Marketing Research and Analysis - 3 points  
MURDOCH: S2-internal, S2-external

**General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

**Year 3 - 24 credit points****Research Skills Unit - 3 credit points**

BBS300 Empirical Research Methods for Business - 3 points  
Not available this year

OR

BBS301 Business Research: Integrated and Mixed Methods - 3 points  
Not available this year

**Breadth Unit University-Wide - 3 credit points**

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

**Core Units - 9 credit points**

BUS343 International Marketing - 3 points  
Not available this year

BUS350 Strategic Marketing - 3 points  
Not available this year

BUS302 Integrated Marketing Communications - 3 points  
Not available this year

**General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**MARKETING (BCOM)**

School of Management and Governance

Bachelor of Commerce (BCom) in Marketing

Course Codes: B1003 B1003A

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal) (no new admissions from 2015 at this

location for first-year commencing students)

- SMF Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced by a Bachelor of Business)
- KDU College (Petaling Jaya, Malaysia) ['KDUPJ'] (internal) (by formal agreement) (language of instruction: English) (not available to new admissions at this location)
- Kaplan Higher Education Institute and Kaplan Higher Education Academy (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced by a Bachelor of Business)
- Murdoch University International Study Centre (Dubai, UAE) ['DUBAI-ISC'] (internal) (by formal agreement) (language of instruction: English)
- Some units only: Murdoch campus (external) (no new admissions from 2015 at this location for fir

Marketing is about understanding market trends, and developing sustainable competitive strategies for products and services to satisfy customers profitability. The Marketing major provides the required knowledge and skills, which all types of employers (private, public and voluntary sectors) look for. Typical job destinations are in brand management, retail and distribution management, marketing communications, market research and development of marketing strategy plans. Units offered cover a number of interesting topics such as Electronic Marketing, International Marketing, Advertising Production and Services (Tourism) Marketing. All marketing theory is brought to life by case studies, strategic marketing projects (capstone 3rd year), overseas study tours and work placements.

#### **Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

#### **Employment Prospects:**

Students are often surprised to find how broadly applicable marketing can be to a variety of occupations. Marketing is relevant not only to manufacturing companies, wholesalers and retailers but to every organisation. Lawyers, accountants, physicians and management consultants are increasingly using marketing ideas to expand their practices. Anyone involved in an exchange process would benefit from a unit in marketing.

#### **Professional Recognition:**

Australian Marketing Institute.

### **Course Structure - 72 credit points**

#### **Part I - 24 credit points**

##### **Foundation Unit - 3 credit points**

From 2014, Foundation units will no longer be offered at the Murdoch Campus. Students who have not yet successfully completed a Foundation unit will be required to enrol in the following Transition Unit.

BBS100 Academic Skills for Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Students enrolled at the Dubai or Kaplan campus will enrol in:

FDN107 Next Life - 3 points  
DUBAI-ISC: TJD-internal, TMD-internal, TSD-internal  
KAPLAN-SGP: TMA-internal, TSA-internal

##### **Core Units - 21 credit points**

BUS140 Principles of Finance and Banking - 3 points  
DUBAI-ISC: TMD-internal

OR

BUS130 Foundational Mathematics for Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

BUS145 Principles of Management - 3 points  
DUBAI-ISC: TJD-internal, TSD-internal

OR

BUS176 Foundations of Management and Governance - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

BUS161 Introduction to Economics - 3 points  
DUBAI-ISC: TMD-internal

OR

BUS171 Foundations of Economics - 3 points  
MURDOCH: S1-external, S2-internal, S2-external

BUS160 Introduction to Accounting - 3 points  
DUBAI-ISC: TJD-internal, TSD-internal

OR

BUS170 Foundations of Accounting - 3 points  
MURDOCH: S2-internal, S2-external

BSL165 Foundations of Business Law - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

OR

BUS165 Principles of Commercial Law - 3 points  
DUBAI-ISC: TJD-internal, TSD-internal

MAS180 Introduction to Statistics - 3 points  
MURDOCH: S1-external, S2-external  
DUBAI-ISC: TMD-internal

BUS169 Principles of Marketing - 3 points  
DUBAI-ISC: TMD-internal

OR

BUS183 Foundations of Marketing - 3 points  
MURDOCH: S2-internal, S2-external

### **Part II - 48 credit points**

#### **Core Units - 24 credit points**

BSL209 Marketing and Advertising Law - 4 points

OR

BSL203 Marketing and Advertising Law - 3 points  
MURDOCH: S1-internal, S1-external

OR

BUS209 Marketing and Advertising Law - 4 points  
DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TJA-internal, TSA-internal  
SGP1: TJB-internal, TSB-internal  
(no longer available at Murdoch campus: contact the Academic Chair for advice)

BUS273 Consumer Behaviour - 4 points  
DUBAI-ISC: TMD-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal  
SGP1: TMB-internal  
(no longer available at Murdoch campus: contact the Academic Chair for advice)

BUS235 Marketing Research and Analysis - 4 points  
DUBAI-ISC: TMD-internal  
KAPLAN-SGP: TMA-internal  
SGP1: TMB-internal  
(no longer available at Murdoch campus: contact the Academic

Chair for advice)

BUS382 Strategic Marketing - 4 points  
MURDOCH: S2-internal  
DUBAI-ISC: TMD-internal  
KAPLAN-SGP: TMA-internal  
SGP1: TMB-internal

BUS336 Integrated Marketing Communications - 4 points  
MURDOCH: S1-internal, S1-external  
DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TJA-internal, TSA-internal  
KDUPJ: S1U-internal  
SGP1: TJB-internal, TSB-internal

BUS268 Services Marketing - 4 points  
DUBAI-ISC: TMD-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal  
SGP1: TMB-internal  
(no longer available at Murdoch campus: contact the Academic Chair for advice)

### General Electives - 24 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

Recommended for General Elective points only:

BUS267 Work-Based Learning - 3 points  
MURDOCH: S1-internal (quota of 50 places)

## MARKETING HONOURS (BBUS(HONS))

School of Management and Governance

Bachelor of Business Honours (BBus(Hons)) in Marketing

Course Codes: H1255

Duration: 1 year full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop the ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

### Admission Requirements (Onshore):

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Distinction average in units relating to the planned Honours study and a Distinction average overall. Subject to availability of a suitable supervisor and approval by the Dean of School.

English competence.

### Apply Online:

Applications can be made online at  
<http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

## Course Structure - 24 credit points

### Coursework - 12 credit points

#### Core Units - 9 credit points

MBS516 Advanced Honours Topic A - 3 points  
MURDOCH: S1-internal, S2-internal, Y-internal

MBS512 Advanced Honours Topic B - 3 points  
MURDOCH: S1-internal, S2-internal, Y-internal

MBS517 Advanced Honours Research Preparation - 3 points  
MURDOCH: S1-internal, S2-internal

### Elective Unit - 3 credit points

Any 500 level unit - 3 points

### Thesis - 12 credit points

MBS519 Honours Thesis - 12 points  
MURDOCH: S1-internal, S2-internal, Y-internal

## MATHEMATICS AND STATISTICS

### MATHEMATICS AND STATISTICS (BSC)

School of Engineering and Information Technology

Bachelor of Science (BSc) in Mathematics and Statistics

Course Codes: B1317

Duration: 3 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

The focus of the Mathematics and Statistics major is on mathematical and statistical training for future employment in business, industry or government. Students may concentrate on mathematical modelling, with special emphasis given to methods and applications in the life and environmental sciences and engineering, or on applied statistics, with emphasis on methods and applications in the life and health sciences (biostatistics), the environment, commerce and industry, or students may wish to combine units from both areas. The major is designed to produce practical mathematicians and statisticians with a flexible outlook, a mix of technical skills, and an awareness of the modern uses of mathematics and statistics.

Murdoch's Bachelor of Science is a flexible degree which gives you the opportunity to build deep understanding and practical experience as well as to supplement your studies by engaging with industry and the community on relevant problems. You can even undertake studies through another discipline to broaden your understanding of the way in which science operates in relation to social, business, health and policy environments.

### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

### Special Requirements:

Students completing the major externally should note that access to a suitable computer and software packages is required for some of the units.

### Employment Prospects:

This major trains students for future employment in banking, insurance, research and development, industry and government, in the computing, industrial mathematics, statistics and biostatistics areas. It provides an excellent preparation for careers in law, the health sciences, teaching and engineering when combined with studies in those areas. A shortage of numerate graduates makes mathematics and statistics graduates highly employable.

### Recommended Double Majors:

Biological Sciences; Biomedical Science; Chemistry; Computer Science; Economics; Environmental Science; Physics and Nanotechnology; Social and Developmental Psychology

### Excluded Minors:

Applied Statistics; Industrial and Applied Mathematics

**Main Research Areas:**

Biostatistics, experimental design, fluid mechanics, harmonic analysis, industrial modelling, numerical analysis, robust statistics, signal processing.

**Major Prerequisites****Mathematics Background**

Students who have not achieved a final grade of Satisfactory in Mathematics Specialist 3C/3D may need to complete up to two prerequisite units depending on their mathematics background.

Mathematics 3C/3D  
and  
Mathematics Specialist 3C/3D  
OR

Mathematics 3C/3D  
and  
MAS182 Applied Mathematics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external  
OR

Mathematics 2C/2D  
and  
MAS164 Fundamentals of Mathematics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external  
and  
MAS182 Applied Mathematics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous mathematics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

**Course Structure - 72 credit points****Part I - 24 credit points****Year 1 - 24 credit points****Transition Unit - 3 credit points**

BSC100 Building Blocks for Science Students - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Breadth Unit for Degree - 3 credit points**

BSC150 What is Science? - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Core Units - 9 credit points**

MAS162 Foundations of Discrete Mathematics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MAS161 Calculus and Matrix Algebra - 3 points  
MURDOCH: S2-internal, S2-external

MAS183 Statistical Data Analysis - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**General Electives - 9 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Part II - 48 credit points****Year 2 - 24 credit points****Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

**For Primary Major in Cognitive Neuroscience and Health Psychology**

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
MURDOCH: S1-internal

**For Primary Majors in the Health Sciences, as listed**

Primary Major in Chiropractic Science, Exercise Physiology, Movement Science, or Sport and Health Science:

BSC206 Introduction to Research Methodology and Evidence Based Practice - 3 points  
MURDOCH: S2-internal

**For Primary Majors in Information Technology**

BSC203 Introduction to ICT Research Methods - 3 points  
MURDOCH: S1-internal, S1-external

**For All Other Primary Majors**

BSC200 Research in the Physical and Life Sciences - 3 points  
MURDOCH: S1-internal, S1-external

**Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

**Core Units - 9 credit points**

Select from the following, paying regard to planned 300-level unit choices:

MAS221 Mathematical Modelling - 3 points  
MURDOCH: S2-internal, S2-external

MAS220 Mathematical Methods - 3 points  
MURDOCH: S1-internal, S1-external

MAS222 Probability and Statistical Inference - 3 points  
MURDOCH: S1-internal, S1-external

Either

MAS224 Biostatistical Methods - 3 points  
MURDOCH: S2-internal, S2-external

OR

MAS223 Applied Statistics - 3 points  
MURDOCH: S1-internal, S1-external

**General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Year 3 - 24 credit points****Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

**For Primary Majors in Information Technology**

BSC301 Applied Research Skills in ICT - 3 points  
Not available this year

**For All Other Primary Majors**

BSC300 Bachelor of Science Research Skills Unit - 3 points  
Not available this year

**Breadth Unit University-Wide - 3 credit points**

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

**Core Units - 9 credit points**

Select from the following:

MAS351 Environmental and Biological Modelling - 3 points  
Not available this year

MAS352 Time Series and Multivariate Analysis - 3 points  
Not available this year

MAS353 Statistical Design and Data Analysis - 3 points  
Not available this year

MAS354 Modelling and Simulation - 3 points  
Not available this year

#### General Electives - 9 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

## MATHEMATICS AND STATISTICS HONOURS (BSC(HONS))

School of Engineering and Information Technology

Bachelor of Science Honours (BSc(Hons)) in Mathematics and Statistics

Course Codes: H1257

Duration: 1 year full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Some units only: Murdoch campus (external)

The aim of Honours is to provide training in research and the development of higher-level skills. The student's grasp of the principles and practice of their subject will be extended and they will develop ability for independent research.

Successful completion of the Honours course is required for admission to research degrees (i.e. Masters or PhD degrees).

#### Admission Requirements (Onshore):

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Distinction average; subject to availability of a suitable supervisor and approval by the Associate Dean (Learning and Teaching) of the School.

English competence.

#### Apply Online:

Applications can be made online at  
<http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

### Course Structure - 24 credit points

#### Coursework - 12 credit points

ICT615 Information Technology Research Methods - 3 points  
MURDOCH: S1-internal

MAS511 Honours Topic in Statistics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MAS512 Honours Topic in Mathematics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MAS513 Honours Topic in Advanced Numerical Analysis - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

#### Thesis - 12 credit points

MAS519 Honours Thesis in Mathematics and Statistics - 12 points  
MURDOCH: S1-internal, S2-internal

## MINERAL SCIENCE

#### See also:

Extractive Metallurgy

## MINERAL SCIENCE (BSC)

School of Engineering and Information Technology

Bachelor of Science (BSc) in Mineral Science

Course Codes: B1317

Duration: 3 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

Mineral extraction processes bridge applied science and engineering disciplines. Mineral scientists focus on the fundamental science of these processes. A Mineral Science degree offers the opportunity to train in interdisciplinary sciences by taking units in cognate disciplines.

This degree also caters for students with interests in mineral science, who wish to meet the requirements of double major degrees with Chemistry, Environmental Science or other disciplines such as Law and Management, or to continue towards a Bachelor of Engineering Honours in Chemical and Metallurgical Engineering degree. In addition, the three-year Bachelor of Science in Mineral Science degree is suitable for students wishing to develop the ability for creative, independent research by completing an additional one year research project to gain an Honours in Mineral Science degree, which is required for admission to the higher research degrees (i.e. Masters or PhD).

Murdoch's Bachelor of Science is a flexible degree which gives you the opportunity to build deep understanding and practical experience as well as to supplement your studies by engaging with industry and the community on relevant problems. You can even undertake studies through another discipline to broaden your understanding of the way in which science operates in relation to social, business, health and policy environments.

#### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

It is recommended that students entering this major to have completed WACE Chemistry 3A/3B, Physics 3A/3B and Mathematics: Specialist 3C/3D.

Applicants having other backgrounds will be considered for admission, but may need make-up units in first year, and therefore may need more than one year to complete Part I.

English competence.

#### Special Requirements:

This course can be completed internally or externally. Students enrolling in units that have a practical component must make allowance for on-campus attendance to complete the practical work. The on-campus sessions for external students are generally held in a one week block for each unit; the dates are published in each unit guide.

#### Employment Prospects:

Graduates can expect to find employment in mineral processing and metal extraction plants throughout Australia and overseas as plant and project metallurgists, mill superintendents, operations managers, consultants and researchers.

#### Professional Accreditation:

Recognised by the Australasian Institute of Mining and Metallurgy.

**Professional Recognition:**

Graduates are eligible for professional membership of the Australasian Institute of Mining and Metallurgy.

**Recommended Double Majors:**

Chemistry; Environmental Science; Mathematics and Statistics

**Main Research Areas:**

Chemistry; science; physics; mathematics; mineral; minerals; metal; metals; process; metallurgy; industrial; industrial process; extractive metallurgy; mining; geology; hydrometallurgy; pyrometallurgy.

**Major Prerequisites****Chemistry Background**

Students may need to complete prerequisite units depending on their background in chemistry and their final scaled score in Chemistry 3A/3B/ within the past three years.

Chemistry 3A/3B with a final scaled score of 60 percent or more

OR

CHE140 Fundamentals of Chemistry - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous chemistry studies not stated above should consult the Academic Chair for clarification of their enrolment requirements.

**Mathematics Background**

Students may need to complete one prerequisite unit depending on their background in mathematics with either a final scaled score of 60 percent or more in Mathematics 3C/3D or a C grade in Mathematics: Specialist 3C/3D within the past three years.

Students without this background will need to complete as a bridging unit:

MAS164 Fundamentals of Mathematics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous mathematics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

**Physics Background**

Students may need to complete prerequisite units depending on their background in physics and their final scaled score in Physics 3A/3B within the past three years.

Physics 3A/3B with a final scaled score of 60 percent or more

OR

PEN120 General Physics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous physics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

**Course Structure - 72 credit points****Part I - 24 credit points****Year 1 - 24 credit points****Transition Unit - 3 credit points**

BSC100 Building Blocks for Science Students - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Breadth Unit for Degree - 3 credit points**

BSC150 What is Science? - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Core Units - 15 credit points**

ENG193 Introduction to the Minerals Industry - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

CHE144 Foundations of Chemistry - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MAS161 Calculus and Matrix Algebra - 3 points  
MURDOCH: S2-internal, S2-external

MAS182 Applied Mathematics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

PEN152 Principles of Physics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**General Electives - 3 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Part II - 48 credit points****Year 2 - 24 credit points****Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

**For Primary Major in Cognitive Neuroscience and Health Psychology**

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
MURDOCH: S1-internal

**For Primary Majors in the Health Sciences, as listed**

Primary Major in Chiropractic Science, Exercise Physiology, Movement Science, or Sport and Health Science:

BSC206 Introduction to Research Methodology and Evidence Based Practice - 3 points  
MURDOCH: S2-internal

**For Primary Majors in Information Technology**

BSC203 Introduction to ICT Research Methods - 3 points  
MURDOCH: S1-internal, S1-external

**For All Other Primary Majors**

BSC200 Research in the Physical and Life Sciences - 3 points  
MURDOCH: S1-internal, S1-external

**Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

**Core Units - 9 credit points**

ENG202 Engineering Thermodynamics - 3 points  
MURDOCH: S1-internal, S1-external

ENG205 Process Mineralogy - 3 points  
MURDOCH: S1-internal, S1-external

ENG224 Principles of Unit Operations - 3 points  
MURDOCH: S1-internal, S1-external

**General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Year 3 - 24 credit points****Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

**For Primary Majors in Information Technology**

BSC301 Applied Research Skills in ICT - 3 points  
Not available this year

**For All Other Primary Majors**

BSC300 Bachelor of Science Research Skills Unit - 3 points  
Not available this year

**Breadth Unit University-Wide - 3 credit points**

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

**Core Units - 9 credit points**

ENG324 Principles of Mineral Processing - 3 points  
Not available this year

ENG325 Pyrometallurgy - 3 points  
Not available this year

ENG326 Hydrometallurgy - 3 points  
Not available this year

**General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

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**MINERAL SCIENCE HONOURS (BSC(HONS))**

School of Engineering and Information Technology

Bachelor of Science Honours (BSc(Hons)) in Mineral Science

Course Codes: H1257

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

Students who have completed the three year BSc (Mineral Science) major may enrol in this Honours year. The Honours year is used to extend a student's grasp of the principles and practice of mineral science by undertaking a rigorous, research-based project. Mentoring by a member of staff enables Honours students to develop the ability for creative, independent research. Students are expected to be involved in the entire research process from concept through to writing and presenting the data obtained, along the way developing skills in advanced chemical technique, project management, high-level problem solving and communication of research findings to peers.

Successful completion of the Honours course is required for admission to research degrees (i.e. Masters or PhD degrees).

**Admission Requirements (Onshore):**

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Distinction average; subject to availability of a suitable supervisor and approval by the Associate Dean (Learning and Teaching) of the School.

English competence.

**Apply Online:**

Applications can be made online at  
<http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

**Employment Prospects:**

Graduates can expect to find employment in a range of areas associated with the Minerals Industry. Honours graduates are favourably looked upon by employers as successful completion of a year long project provides concrete evidence of chemical, project management, problem solving, and communication skills.

**Professional Recognition:**

Graduates may qualify for graduate membership of the Australasian Institute of Mining and Metallurgy.

**Course Structure - 24 credit points**

Students will undertake a major research project and thesis on a topic related to hydrometallurgy, pyrometallurgy or mineral processing and some advanced coursework.

**Coursework - 6 credit points**

CHE576 Literature Review - 3 points  
MURDOCH: S1-internal, S2-internal

VLS683 Advanced Research Methods for Scientists - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Thesis - 18 credit points**

ENG539 Honours Thesis in Mineral Science - 18 points  
MURDOCH: H-internal, Y-internal

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**MISCELLANEOUS**

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**DOUBLE DEGREE FIVE YEAR**

No Specific School

Course Codes: B1281

Duration: 5 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

This course is intended to accommodate students who need to be formally enrolled in a double degree structure rather than registered with the University as intending to complete the requirements of two courses and two awards on completion. Students in the course must enrol in the two primary majors which reflect the courses they will complete. Students who require enrolment in this course must apply for transfer.

For further information, students should refer to individual course entries.

**Admission Requirements (Onshore):**

Direct admission is not available.

**Course Structure - 120 credit points**

Please refer to individual course structures.

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**DOUBLE DEGREE FOUR YEAR**

No Specific School

Course Codes: B1280

Duration: 4 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

This course is intended to accommodate students who need to be

formally enrolled in a double degree structure rather than registered with the University as intending to complete the requirements of two courses and two awards on completion. Students in the course must enrol in the two primary majors which reflect the courses they will complete. Students who require enrolment in this course must apply for transfer.

For further information, students should refer to individual course entries.

**Admission Requirements (Onshore):**

Direct admission is not available.

**Course Structure - 96 credit points**

Please refer to individual course structures.

## 4

## MOBILE AND WEB APPLICATION DEVELOPMENT

### MOBILE AND WEB APPLICATION DEVELOPMENT (BSC)

School of Engineering and Information Technology

*Bachelor of Science (BSc) in Mobile and Web Application Development*

Course Codes: B1317

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

This major is designed to provide students with specialisation in the field of programming and mobile application development. The main areas covered include: the design and management of web based computing systems and mobile applications, the development and maintenance of applications for the Internet and mobile devices including multimedia, databases, software development and multi-platform development.

Murdoch's Bachelor of Science is a flexible degree which gives you the opportunity to build deep understanding and practical experience as well as to supplement your studies by engaging with industry and the community on relevant problems. You can even undertake studies through another discipline to broaden your understanding of the way in which science operates in relation to social, business, health and policy environments.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

**Special Requirements:**

There may be a reduction in choice of units if completing this course in the external mode. Individual units may require access to specific nominated software.

**Employment Prospects:**

Excellent career opportunities exist for Mobile and Web Application Development graduates in business, industry and government as web system developers, mobile application developers, programmers, systems analysts, database administrators, computer systems and network administrators, user support officers and software engineers.

**Professional Recognition:**

Graduates of this degree are eligible for membership of the Australian Computer Society at the Professional Level.

**Recommended Double Majors:**

Computer Science; Cyber Forensics and Information Security; Games Software Design and Production; Games Technology

**Excluded Minors:**

Web Development

**Course Structure - 72 credit points**

**Part I - 24 credit points**

**Year 1 - 24 credit points**

**Transition Unit - 3 credit points**

BSC100 Building Blocks for Science Students - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Breadth Unit for Degree - 3 credit points**

BSC150 What is Science? - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Core Units - 15 credit points**

ICT167 Principles of Computer Science - 3 points  
MURDOCH: S2-internal, S2-external

ICT159 Foundations of Programming - 3 points  
MURDOCH: S1-internal, S1-external

ICT169 Foundations of Data Communications - 3 points  
MURDOCH: S2-internal, S2-external

MAS162 Foundations of Discrete Mathematics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

ICT170 Foundations of Computer Systems - 3 points  
MURDOCH: S2-internal, S2-external

**General Electives - 3 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Part II - 48 credit points**

**Year 2 - 24 credit points**

**Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

**For Primary Major in Cognitive Neuroscience and Health Psychology**

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
MURDOCH: S1-internal

**For Primary Majors in the Health Sciences, as listed**

Primary Major in Chiropractic Science, Exercise Physiology, Movement Science, or Sport and Health Science:

BSC206 Introduction to Research Methodology and Evidence Based Practice - 3 points  
MURDOCH: S2-internal

**For Primary Majors in Information Technology**

BSC203 Introduction to ICT Research Methods - 3 points  
MURDOCH: S1-internal, S1-external

**For All Other Primary Majors**

BSC200 Research in the Physical and Life Sciences - 3 points  
MURDOCH: S1-internal, S1-external

**Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.



**Core Units - 9 credit points**

ICT284 Systems Analysis and Design - 3 points  
MURDOCH: S1-internal, S1-external

ICT285 Databases - 3 points  
MURDOCH: S2-internal, S2-external

ICT286 Web and Mobile Computing - 3 points  
MURDOCH: S2-internal, S2-external

**General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Year 3 - 24 credit points****Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

**For Primary Majors in Information Technology**

BSC301 Applied Research Skills in ICT - 3 points  
Not available this year

**For All Other Primary Majors**

BSC300 Bachelor of Science Research Skills Unit - 3 points  
Not available this year

**Breadth Unit University-Wide - 3 credit points**

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

**Core Units - 9 credit points**

ICT375 Advanced Web Programming - 3 points  
Not available this year

ICT365 Software Development Frameworks - 3 points  
Not available this year

ICT376 Mobile Application Development - 3 points  
Not available this year

**General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

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**MOBILE AND WEB APPLICATION DEVELOPMENT HONOURS (BSC(HONS))**

School of Engineering and Information Technology

Bachelor of Science Honours (BSc(Hons)) in Internet Software Development

Course Codes: H1257

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

The aim of Honours is to provide training in research and the development of higher-level skills. The student's grasp of the principles and practice of their subject will be extended and they will develop ability for independent research.

Successful completion of the Honours course is required for admission to research degrees (i.e. Masters or PhD degrees).

**Admission Requirements (Onshore):**

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Distinction average; subject to availability of a suitable supervisor and approval by the Associate Dean (Learning and Teaching) of the School.

English competence.

**Apply Online:**

Applications can be made online at  
<http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

**Course Structure - 24 credit points****Coursework - 12 credit points**

ICT615 Information Technology Research Methods - 3 points  
MURDOCH: S1-internal

ICT576 Information Technology Literature Review - 3 points  
MURDOCH: S1-internal, S2-internal

Plus another two 500-level IT units approved by the Academic Chair.

**Thesis - 12 credit points**

ICT580 Honours Thesis in Mobile and Web Application Development - 12 points  
Not available this year

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**MOLECULAR BIOLOGY**
**See also:**

Biological Sciences  
Laboratory Medicine

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**MOLECULAR BIOLOGY (BSC)**

School of Veterinary and Life Sciences

Bachelor of Science (BSc) in Molecular Biology

Course Codes: B1317

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Some units only: Murdoch campus (external)

Molecular Biology is concerned with the structure and function of genetic material, the organisation and expression of genes and with the techniques of genetic engineering. These techniques have widespread application in agriculture (production of disease resistant crops; enhancement of the nutritive value of plant and animal products), in medicine (production of vaccines; treatment of genetic diseases; understanding the molecular basis of cancer), in forensic science (DNA profiling) and in conservation biology (control of feral animals; generation of disease resistance in plants and animals).

From the perspective of the fundamental disciplines of biochemistry and microbiology, the Molecular Biology major provides in-depth study of modern molecular genetics and introduces students to the scientific techniques associated with gene manipulation. Students are also provided with an opportunity to explore the ethical considerations relevant to gene transfer technology.

Students contemplating careers in medical research are strongly recommended to undertake a Molecular Biology/Biomedical Science double major. This is also good preparation for entry to Graduate Medicine.

Murdoch's Bachelor of Science is a flexible degree which gives you the opportunity to build deep understanding and practical experience as well as to supplement your studies by engaging with

industry and the community on relevant problems. You can even undertake studies through another discipline to broaden your understanding of the way in which science operates in relation to social, business, health and policy environments.

#### **Admission Requirements (Onshore):**

As per normal undergraduate admission requirements. There are no prerequisites for admission but it is highly desirable for students to have studied TEE Chemistry or WACE Chemistry 3A/3B and at least Discrete Mathematics or WACE Mathematics 2C/2D.

English competence.

#### **Special Requirements:**

Students undertaking units in Molecular Biology will not be required to kill any vertebrate animal but they will be required to work with fresh tissue from dead animals in certain units.

#### **Employment Prospects:**

Molecular biologists are in high demand in hospitals, research organisations such as the CSIRO and medical research centres, university and agriculture departments and in biotechnology and food processing companies.

#### **Recommended Double Majors:**

Biological Sciences; Biomedical Science; Conservation and Wildlife Biology; Forensic Biology and Toxicology

#### **Excluded Minors:**

Molecular Biology

### **Major Prerequisites**

#### **Chemistry Background**

Students who achieved a final scaled score of 60 percent or more in Chemistry 3A/3B within the past three years should seek an exemption from their Academic Chair for CHE140 Fundamentals of Chemistry. Students who have completed previous chemistry not stated above should also consult their Academic Chair for clarification of their enrolment requirements.

### **Course Structure - 72 credit points**

#### **Part I - 24 credit points**

##### **Year 1 - 24 credit points**

##### **Transition Unit - 3 credit points**

BSC100 Building Blocks for Science Students - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### **Breadth Unit for Degree - 3 credit points**

BSC150 What is Science? - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### **Core Units - 15 credit points**

BMS101 Introduction to the Human Body - 3 points  
MURDOCH: S1-internal

CHE140 Fundamentals of Chemistry - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

CHE144 Foundations of Chemistry - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MAS183 Statistical Data Analysis - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

BIO152 Foundations of Cell and Molecular Biology - 3 points  
MURDOCH: S2-internal

##### **General Electives - 3 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and

minors will be included in the major's description.

### **Part II - 48 credit points**

#### **Year 2 - 24 credit points**

##### **Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

##### **For Primary Major in Cognitive Neuroscience and Health Psychology**

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
MURDOCH: S1-internal

##### **For Primary Majors in the Health Sciences, as listed**

Primary Major in Chiropractic Science, Exercise Physiology, Movement Science, or Sport and Health Science:

BSC206 Introduction to Research Methodology and Evidence Based Practice - 3 points  
MURDOCH: S2-internal

##### **For Primary Majors in Information Technology**

BSC203 Introduction to ICT Research Methods - 3 points  
MURDOCH: S1-internal, S1-external

##### **For All Other Primary Majors**

BSC200 Research in the Physical and Life Sciences - 3 points  
MURDOCH: S1-internal, S1-external

##### **Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

##### **Core Units - 9 credit points**

BIO282 Molecular Biology - 3 points  
MURDOCH: S1-internal

BIO246 Microbiology I - 3 points  
MURDOCH: S1-internal

OR

BMS212 Medical Microbiology - 3 points  
MURDOCH: S1-internal

BIO247 Biochemistry I - 3 points  
MURDOCH: S2-internal

##### **General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

#### **Year 3 - 24 credit points**

##### **Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

##### **For Primary Majors in Information Technology**

BSC301 Applied Research Skills in ICT - 3 points  
Not available this year

##### **For All Other Primary Majors**

BSC300 Bachelor of Science Research Skills Unit - 3 points  
Not available this year

##### **Breadth Unit University-Wide - 3 credit points**

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

##### **Core Units - 9 credit points**

BIO356 Genetics and Evolution - 3 points  
Not available this year

BIO394 Genetic Engineering - 3 points  
Not available this year

BIO378 Systems Biology and Bioinformatics - 3 points  
Not available this year

### General Electives - 9 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

## MOLECULAR BIOLOGY HONOURS (BSC(HONS))

School of Veterinary and Life Sciences

Bachelor of Science Honours (BSc(Hons)) in Molecular Biology

Course Codes: H1257

Duration: 1 year full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

The aim of the Honours year is to extend the student's grasp of the principles and practice of their subject, to develop ability for independent research, and to facilitate their entry into industry employment.

An Honours qualification of at least 2A is normally required for admission to higher research degree study.

### Admission Requirements (Onshore):

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Credit average (GPA 2); subject to availability of a suitable supervisor and approval by the School Dean.

Students interested in enrolling in Honours are advised to contact the Academic Chair before application to discuss supervision of their potential research project.

English competence.

### Apply Online:

Applications can be made online at  
<http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

## Course Structure - 24 credit points

### Coursework - 3 credit points

VLS683 Advanced Research Methods for Scientists - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

### Thesis - 21 credit points

VLS530 Honours Thesis in Molecular Biology - 21 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external,  
Y-internal, Y-external

## NURSING

### NURSING (2016) (BNURS)

School of Health Professions

Bachelor of Nursing (BNurs) in Nursing (2016)

Course Codes: B1335

Duration: 3 years full-time or part-time equivalent, requiring study in both summer and winter terms. Students must complete within 6 years to be eligible for Nursing registration.

### Availability:

- Murdoch campus (internal) (only available from 2016)
- Peel campus (internal) (only available from 2016)

This course will prepare graduates for registration as a Registered Nurse within Australia and allow professional practice in a variety of clinical settings. The course provides a learning environment that encourages a caring therapeutic relationship between the nurse and people in health and illness, supported through holistic evidence-based nursing practice. Workplace consolidation of theory to practice and experiential and simulated learning opportunities will be features of the course in developing highly competent and sought after graduates.

### Admission Requirements (Onshore):

As per normal undergraduate admission requirements, plus a clear National Police Clearance. Recommended subjects: Human Biological Science 2A/2B, Mathematics 2A/2B, English 2A/2B and Chemistry 2A/2B.

International students demonstrating English competence via IELTS need a score of 6.5, with no individual band less than 6.5.

### Special Requirements:

A National Police Clearance is required as well as a level of health suitable to meet the requirements of such a course and to meet safe nursing practice. On commencement, students will be required to meet WA Department of Health vaccination requirements, students will be required to provide copies of a current CPR certificate, Working with Children Card, Department of Health WA Criminal Screening Card and Manual Handling Certificate and successful completion of the School Of Health Professions Maths Skills Test.

### Employment Prospects:

There is a shortage of registered nurses nationwide. A strong professional education in the essential areas of acute, chronic and preventative health care across the lifespan will facilitate job selection in Australia and many overseas countries where Australian nurses are sought.

### Professional Recognition:

Graduates from this course will be eligible to apply to the Nurses and Midwives Board of Australia for registration in the category of Registered Nurse. At point of application to the Nurses and Midwives Board of Australia, graduates will need to provide proof of having met an IELTS score of at least 7 in each band, if their primary or secondary education took place in a country where English is not the native language. Results from tests completed more than two (2) years prior to application for registration will not be accepted.

For further information, students can go to:  
[www.nursingmidwiferyboard.gov.au](http://www.nursingmidwiferyboard.gov.au)

Students should note that the course must be completed within six years of commencement to be eligible for registration.

### Main Research Areas:

Nursing principles and practice.

**Campus of Study:**

Students must enrol in units offered at the same location (Murdoch campus or Peel campus) as their enrolled course location

**Course Structure - 81 credit points****Part I - 27 credit points****Year 1 - 27 credit points****Transition Unit - 3 credit points**

BNR100 Transition to Nursing Studies - 3 points

**Breadth Unit for Degree - 3 credit points**

BNR150 Health and Human Behaviour - 3 points

**Core Units - 21 credit points**

NUR111 The Healthy Human Body 1 - 3 points

NUR112 Health Across the Lifespan - 3 points

NUR114 Professional Nursing Practice 1 - 3 points

NUR119 Clinical Nursing Practice 1 - 1 points

NUR121 The Healthy Human Body 2 - 3 points

NUR122 Health Across the Lifespan 2 - 3 points

NUR123 Professional Nursing Practice 2 - 3 points

NUR129 Clinical Nursing Practice 2 - 2 points

**Part II - 54 credit points****Year 2 - 30 credit points****Research Skills Unit - 3 credit points**

BNR200 Evidence Based Nursing Care - 3 points

**Core Units - 27 credit points**

NUR231 Complexities of Health and Illness Across the Lifespan 1 - 3 points

NUR232 Case Based Inquiry: Acute Care Perspectives 1 - 3 points

NUR233 Case Based Inquiry: Community Perspectives 1 - 3 points

NUR239 Clinical Nursing Practice 3 - 3 points

NUR241 Complexities of Health and Illness Across the Lifespan 2 - 3 points

NUR242 Case Based Inquiry: Acute Care Perspectives 2 - 3 points

NUR243 Case Based Inquiry: Community Perspectives 2 - 3 points

NUR210 Indigenous Health and Cultural Diversity - 3 points

NUR249 Clinical Nursing Practice 4 - 3 points

**Year 3 - 24 credit points****Research Skills Unit - 3 credit points**

BNR359 Clinical Nursing Practice 5: Research Perspectives - 3 points

**Core Units - 21 credit points**

NUR369 Clinical Nursing Practice 6 - 3 points

NUR352 Complexities of Health and Illness Across the Lifespan 3 - 3 points

NUR353 Case Based Inquiry: Acute Care and Community Perspectives - 3 points

NUR361 Professional Nursing Practice 3: Nursing in a Complex World - 6 points

NUR379 Clinical Practice 7: Transition to Registered Nurse - 3 points

NUR389 Clinical Practice 8: Transition to Registered Nurse - 3

points

**NURSING (BNURS)**

School of Health Professions

Bachelor of Nursing (BNurs)

Course Codes: B1308

Duration: 3 years full-time or part-time equivalent, requiring study in both summer and winter terms. Students must complete within 6 years to be eligible for Nursing registration.

**Availability:**

- Peel campus (internal)
- Some units only: Murdoch campus (internal) (Mid-year commencement only; some first year units available at this location)

This course will prepare graduates for registration as Registered Nurses within Australia and allow professional practice in a variety of clinical settings. The course centres learning on the concept of a professional therapeutic nurse/client relationship and takes into account individual, contextual and modifying factors in understanding and planning nursing care. Early studies emphasise the understanding of nursing processes, legal, ethical, evidence based care and bioscience principles that lead to the development of the fundamental skills and knowledge that are the basis for nursing practice. These form the foundation for later studies which focus on the complexities of competence and knowledge required to ensure optimal outcomes when providing nursing care to individuals, families and communities. Extensive workplace consolidation of theory to practice and experiential learning opportunities will be features of the course in developing highly competent and sought after graduates.

Students will be required to participate in clinical placements in a variety of locations and clinical contexts throughout metropolitan, rural and regional Western Australia.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements, plus a clear National Police Clearance. Recommended subjects: Human Biological Science 2A/2B, Mathematics 2A/2B, English 2A/2B and Chemistry 2A/2B.

International students demonstrating English competence via IELTS need a score of 6.5, with no individual band less than 6.5.

**Special Requirements:**

A National Police Clearance is required as well as a level of health suitable to meet the requirements of such a course and to meet safe nursing practice. On commencement, students will be required to meet WA Department of Health vaccination requirements, students will be required to provide copies of a current CPR certificate, Working with Children Card, Department of Health WA Criminal Screening Card and Manual Handling Certificate and successful completion of the School Of Health Professions Maths Skills Test.

**Employment Prospects:**

There is a shortage of registered nurses nationwide. A strong professional education in the essential areas of acute, chronic and preventative health care across the lifespan will facilitate job selection in Australia and many overseas countries where Australian nurses are sought.

**Professional Recognition:**

Graduates from this course will be eligible to apply to the Nurses and Midwives Board of Australia for registration in the category of Registered Nurse. At point of application to the Nurses and Midwives Board of Australia, graduates will need to provide proof of having met an IELTS score of at least 7 in each band, if their primary or secondary education took place in a country where English is not the native language. Results from tests completed

more than two (2) years prior to application for registration will not be accepted.

For further information, students can go to:  
www.nursingmidwiferyboard.gov.au

Students should note that the course must be completed within six years of commencement to be eligible for registration.

#### **Main Research Areas:**

Nursing principles and practice.

#### **Alternative Entry Pathways:**

An alternative entry pathway exists via the Nursing (Combination) from Challenger TAFE (Peel). This pathway will provide applicants with advanced standing once they enter the Bachelor of Nursing.

## **Course Structure - 72 credit points**

### **Part I - 26 credit points**

#### **Year 1 - 26 credit points**

##### **Transition Unit - 3 credit points**

From 2014, Foundation units will no longer be offered. Students who have not yet successfully completed a Foundation unit will be required to enrol in the following Transition Unit.

BNR100 Transition to Nursing Studies - 3 points  
MURDOCH: S2N-internal  
PEEL: S1N-internal, S2N-internal

##### **Core Units - 23 credit points**

Students enrolled in this course before 2012 should refer to the course structure in place at that time. Students transferring to this course structure must contact the Academic Chair for advice on unit selection.

NUR100 Introduction to Nursing Practice - 3 points  
PEEL: S1N-internal

NUR103 Contemporary Nursing Practice - 3 points  
PEEL: S1N-internal

NUR149 Human Structure and Function 1 - 3 points  
PEEL: S1N-internal

NUR151 Clinical Practice 1: Aged Care - 1 points  
PEEL: W6-placement

NUR152 Indigenous Health - 3 points  
PEEL: S2N-internal

NUR153 Primary Health Care - 3 points  
PEEL: S2N-internal

NUR154 Human Structure and Function 2 - 3 points  
MURDOCH: S2N-internal  
PEEL: S2N-internal

NUR105 Nursing Health Assessment and Physical Examination - 3 points  
PEEL: S2N-internal

NUR155 Clinical Practice 2: Medical/Primary Health/Aged Care/Medical Rehabilitation - 1 points  
PEEL: SS2-placement

### **Part II - 46 credit points**

#### **Year 2 - 25 credit points**

##### **Core Units - 25 credit points**

NUR203 Acute Care 1 - 4 points  
PEEL: S1N-internal

NUR256 Medication Management for Nursing - 4 points  
PEEL: S1N-internal

NUR206 Contemporary Nursing Management of Mental Illness - 4 points

PEEL: S1N-internal

NUR257 Clinical Practice 3: Medical/Surgical/Mental Health/Primary Health - 1 points  
PEEL: W6-placement

NUR205 Acute Care 2 - 4 points  
PEEL: S2N-internal

NUR258 Applied Psychology for Nursing Practice - 3 points  
PEEL: S2N-internal

NUR259 Maternal, Child and Adolescent Nursing Care - 4 points  
PEEL: S2N-internal

NUR262 Clinical Practice 4: Medical/Surgical/Mental Health/Paediatrics/Maternity/Primary Health/Community Paediatrics - 1 points  
PEEL: SS2-placement

#### **Year 3 - 21 credit points**

##### **Core Units - 21 credit points**

Students should note that they are required to enrol full-time in the final semester of study.

NUR305 Complex Care - 4 points  
PEEL: S1N-internal

NUR363 Health Research and Evidence Based Nursing Care - 4 points  
PEEL: S1N-internal

NUR364 Nursing Management of Chronic Illness - 4 points  
PEEL: S1N-internal

NUR365 Professional Issues in Nursing Practice - 3 points  
PEEL: S2N-internal

NUR366 Clinical Practice 5 - 3 points  
PEEL: S2N-placement

NUR367 Clinical Practice 6 - 3 points  
PEEL: S2N-placement

## **NURSING HONOURS (BNURS(HONS))**

School of Health Professions

*Bachelor of Nursing Honours (BNurs(Hons))*

Course Codes: H1258

*Duration: 1 year full-time or part-time equivalent, commencing Semester 1 only*

#### **Availability:**

- Peel campus (internal) (all but one unit)

The Bachelor of Nursing with Honours assists students to gain a greater depth of understanding in their chosen area of interest whilst developing the ability for independent research. This is achieved through undertaking coursework in research methodology in addition to a research project.

#### **Admission Requirements (Onshore):**

Completion of a Bachelor Degree in Nursing (AQF Level 7) with a Distinction average; subject to availability of a suitable supervisor and approval by the Associate Dean (Learning and Teaching) of the School of Health Professions.

English competence.

#### **Apply Online:**

Applications can be made online at  
<http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

**Course Structure - 24 credit points****Coursework - 3 credit points**

VLS683 Advanced Research Methods for Scientists - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Thesis - 21 credit points**

NUR569 Honours Thesis in Nursing - 21 points  
PEEL: S1-internal, S2-internal

**PHILOSOPHY**

*See also:*  
Ethics

**PHILOSOPHY (BA)**

School of Arts

Bachelor of Arts (BA) in Philosophy

Course Codes: B1316

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

Philosophy is the oldest academic discipline and the source from which the natural and human sciences have grown. The love of wisdom and the pursuit of truth are the greatest strength and the highest achievement of the human spirit. The study of philosophy does not always offer answers, but instead teaches us how to ask good questions; without a good question one does not know what counts as a good answer, or where to look for a good answer. This kind of study develops our critical and rational faculties, instils a positive sense of impartiality and fairness in considering the views of others, and fosters a cautious, reflective attitude toward those things whose comprehension may exceed our current opinions and beliefs.

In the Bachelor of Arts you will develop a broad understanding of your field and proficiency in producing written and oral arguments and creative artifacts in response to social, human and natural phenomena. You will also develop a critical appreciation of the perspectives of others. As an Arts graduate you will be able to think critically and creatively, apply knowledge and information, and communicate effectively. These are professional skills which are critical across a range of industries. You will also be able to pursue further study in the fields of social research, the humanities and/or the creative arts.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

**Special Requirements:**

There may be a reduction in choice of units if completing this course in the external mode.

**Employment Prospects:**

Students with a degree in philosophy are very attractive to employers in the public sector, the professions, and business who value the ability to organise and analyse data, and draw clear, sound judgements.

**Recommended Double Majors:**

English and Creative Writing; History; Politics and International Studies

**Excluded Minors:**

Ethics; Philosophy

**Main Research Areas:**

Ethics, hermeneutics, history of metaphysics, theories of mind, phenomenology, feminist philosophy.

**Languages and Writing Skills:**

Philosophy students are strongly encouraged to include a writing unit in their selection of a general elective at either Part I or Part II. It is also recommended that students consider studying a language other than English, with Indonesian, Japanese, Biblical Hebrew and New Testament Greek, all available at Murdoch.

**Course Structure - 72 credit points****Part I - 24 credit points****Year 1 - 24 credit points****Transition Unit - 3 credit points**

BAR100 Academic Learning Skills - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Breadth Unit for Degree - 3 credit points**

BAR150 Ideas and Identity - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Core Units - 6 credit points**

PHL130 Introduction to Philosophy - 3 points  
MURDOCH: S2-internal, S2-external

PHL131 Critical and Creative Thinking - 3 points  
MURDOCH: S1-internal, S1-external

**General Electives - 12 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Part II - 48 credit points****Year 2 - 24 credit points****Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

**For Primary Major in Social and Developmental Psychology**

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
MURDOCH: S1-internal

**For All Other Primary Majors**

BAR200 Developing Research Skills and Methods - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

**Core Unit - 3 credit points**

PHL205 Critical Metaphysics - 3 points  
MURDOCH: S1-internal, S1-external

**Specified Electives - 6 credit points**

Select from the Specified Elective Unit List below.

**General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Year 3 - 24 credit points****Research Skills Unit - 3 credit points**

BAR300 Bachelor of Arts Research Skills Unit - 3 points  
Not available this year

**Breadth Unit University-Wide - 3 credit points**

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

**Core Units - 6 credit points**

PHL377 Life, Death and Meaning - 3 points  
Not available this year

PHL317 Meaning and Interpretation - 3 points  
Not available this year

**Specified Electives - 3 credit points**

Select from the Specified Elective Unit List below.

**General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Specified Elective Unit List**

Select Specified Electives from the following units during Years 2 and 3, subject to individual unit prerequisites. At least one unit must be at 300 level.

PHL207 Existence and Freedom - 3 points  
Not available this year

PHL209 Theories of Mind - 3 points  
MURDOCH: S2-internal, S2-external

PHL210 Applied and Professional Ethics - 3 points  
Not available this year

PHL315 Aesthetics - 3 points  
Not available this year

PHL316 Ancient Greek Ideas - 3 points  
Not available this year

PHL212 Love and Friendship - 3 points  
Not available this year

PHL206 Moral and Political Philosophy - 3 points  
Not available this year

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**PHILOSOPHY HONOURS (BA(HONS))**

School of Arts

*Bachelor of Arts Honours (BA(Hons)) in Philosophy*

Course Codes: H1256

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

**Admission Requirements (Onshore):**

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Distinction average; subject to availability of a suitable supervisor and approval by the Associate

Dean (Learning and Teaching) of the School.

English competence.

**Apply Online:**

Applications can be made online at  
<http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

**Course Structure - 24 credit points****Coursework - 12 credit points**

ART604 Advanced Research Methods - 3 points  
MURDOCH: S1-internal, S1-external

ART503 Honours Seminar in Arts - 3 points  
MURDOCH: S1-internal

PHL569 Honours Dissertation Preliminary - 3 points  
MURDOCH: S1-internal, S2-internal, Y-internal

PHL582 Honours Topic in Philosophy - 3 points  
MURDOCH: S1-internal, S2-internal, Y-internal

**Thesis - 12 credit points**

PHL589 Honours Thesis in Philosophy - 12 points  
MURDOCH: S1-internal, S2-internal

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**PHOTOGRAPHY****PHOTOGRAPHY (BA)**

School of Arts

*Bachelor of Arts (BA) in Photography*

Course Codes: B1316

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

Restriction: Enrolment is subject to restriction due to constraints on unit enrolments.

The Photography major will provide students with a comprehensive set of practical photographic and digital imaging skills in combination with theoretical knowledge to enable them as photographers to develop their vision and progress their career. Students will have their practice informed by an in-depth study of the power and meaning of image and its cultural-historical context.

In addition students will be equipped with contemporary network and marketing skills key to their success as creative producers.

In the Bachelor of Arts you will develop a broad understanding of your field and proficiency in producing written and oral arguments and creative artifacts in response to social, human and natural phenomena. You will also develop a critical appreciation of the perspectives of others. As an Arts graduate you will be able to think critically and creatively, apply knowledge and information, and communicate effectively. These are professional skills which are critical across a range of industries. You will also be able to pursue further study in the fields of social research, the humanities and/or the creative arts.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

**Special Requirements:**

There are compulsory on-campus components in this major.

**Employment Prospects:**

Graduates of this major will be well suited to careers in a range of

industries and fields such as fashion, journalism, publications, advertising, professional photographic agencies, corporations, art, government, etc.

#### **Professional Recognition:**

Upon entering industry application can be made to join various industry associations such as AAPP (Australian Accredited Professional Photographers), CAMS Photographer Accreditation Program or APA (Australian Photographers Association).

#### **Recommended Double Majors:**

Journalism; Screen Production

### **Course Structure - 72 credit points**

#### **Part I - 24 credit points**

##### **Year 1 - 24 credit points**

##### **Transition Unit - 3 credit points**

BAR100 Academic Learning Skills - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### **Breadth Unit for Degree - 3 credit points**

BAR150 Ideas and Identity - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### **Core Units - 9 credit points**

PHO124 Photography 1 - 3 points  
MURDOCH: S1-internal (quota of 120 places), S2-internal (quota of 120 places)

PHO101 Digital Imaging - 3 points  
MURDOCH: S2-internal (quota of 70 places)

IDD118 Introduction to Graphic Design - 3 points  
MURDOCH: S2-internal

##### **General Electives - 9 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

#### **Part II - 48 credit points**

##### **Year 2 - 24 credit points**

##### **Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

##### **For Primary Major in Social and Developmental Psychology**

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
MURDOCH: S1-internal

##### **For All Other Primary Majors**

BAR200 Developing Research Skills and Methods - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### **Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

##### **Core Units - 9 credit points**

PHO203 Photography 2 - 3 points  
MURDOCH: S1-internal

PHO204 Visual Literacy - 3 points  
MURDOCH: S1-internal

PHO202 Photo Documentary - 3 points  
MURDOCH: S2-internal

##### **General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

##### **Year 3 - 24 credit points**

##### **Research Skills Unit - 3 credit points**

BAR300 Bachelor of Arts Research Skills Unit - 3 points  
Not available this year

##### **Breadth Unit University-Wide - 3 credit points**

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

##### **Core Units - 9 credit points**

PHO306 Advanced Photographic Studio - 3 points  
Not available this year

PHO305 Photographic Culture - 3 points  
Not available this year

PHO312 Media Projects - 3 points  
Not available this year

##### **General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

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## **PHOTOGRAPHY HONOURS (BA(HONS))**

School of Arts

Bachelor of Arts Honours (BA(Hons)) in Photography

Course Codes: H1256

Duration: 1 year full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop the ability for independent research. In Photography, students have the option of doing a photography based production and exegesis.

An Honours qualification of 2A is normally required for admission to higher research degree study.

#### **Admission Requirements (Onshore):**

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Distinction average; subject to availability of a suitable supervisor and approval by the Associate Dean (Learning and Teaching) of the School.

English competence.

#### **Apply Online:**

Applications can be made online at <http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

### **Course Structure - 24 credit points**

#### **Coursework - 12 credit points**

ART503 Honours Seminar in Arts - 3 points  
MURDOCH: S1-internal

ART604 Advanced Research Methods - 3 points  
MURDOCH: S1-internal, S1-external



PHO561 Honours Topic in Photography A - 3 points  
MURDOCH: S1-internal, S2-internal, Y-internal

PHO562 Honours Topic in Photography B - 3 points  
MURDOCH: S1-internal, S2-internal, Y-internal

### Thesis - 12 credit points

PHO569 Honours Thesis in Photography - 12 points  
MURDOCH: S1-internal, S2-internal, Y-internal

## PHYSICS AND NANOTECHNOLOGY

### PHYSICS AND NANOTECHNOLOGY (BSC)

School of Engineering and Information Technology

Bachelor of Science (BSc) in Physics and Nanotechnology

Course Codes: B1317

Duration: 3 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

Physics has a long and distinguished history. It underpins our modern technology and can be found at the cutting edge of science in the field of nanotechnology.

The Physics and Nanotechnology major combines an essential core of classical and modern physics with units that provide the background for working in the rapidly developing area of nanoscience and nanotechnology. The three-year course covers mechanics and waves, quantum theory, electromagnetism, thermodynamics, the physics of materials and applications of nanotechnology. Study of these areas provides an understanding of natural processes, energy and materials not just at the macroscopic scale but also at the nanoscopic scale.

Students have the opportunity to extend their analytical and problem solving skills to related disciplines in areas such as Computer Science, Chemistry, Biology, Mathematical Modelling, Mathematics and Statistics, Ocean Science, Environmental Science, or Science Communication. Double degrees with Engineering or Secondary Teaching are also popular.

An additional year of study leads to an Honours degree, offering enhanced employment prospects and is the entry point into a Masters or Doctoral research degree.

Murdoch's Bachelor of Science is a flexible degree which gives you the opportunity to build deep understanding and practical experience as well as to supplement your studies by engaging with industry and the community on relevant problems. You can even undertake studies through another discipline to broaden your understanding of the way in which science operates in relation to social, business, health and policy environments.

#### Admission Requirements (Onshore):

As per normal undergraduate admission requirements. Students who have not completed the necessary mathematics or physics at WACE-level may be required to complete introductory units in first year.

English competence.

#### Special Requirements:

Computer access with a CD-ROM drive or Internet access is essential. Email is essential.

#### Employment Prospects:

Graduates find employment in a wide variety of fields including universities, government institutions and private companies in areas such as pure research, research and development, education,

quality control, health and medical physics, environmental monitoring, meteorology and astronomy.

#### Professional Recognition:

This degree has been accredited by the Australian Institute of Physics. Students who have completed this degree can apply to the Academic Chair for membership to the Australian Institute of Physics and the Institute of Physics (UK).

#### Recommended Double Majors:

Chemistry; Secondary Teaching (Science Combined Mathematics)

#### Main Research Areas:

Renewable energy, surface physics, thin films, and nanotechnology with applications in medicine, resources, environment and energy.

### Major Prerequisites

#### Mathematics Background

Students may need to complete a prerequisite unit depending on their background in mathematics and their final scaled score in Mathematics Specialist units or the equivalent Applicable Mathematics and Calculus within the past four years.

Students need to achieve a Pass in  
MAS182 Applied Mathematics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

OR

Mathematics 3A/3B/3C/3D

OR

Students who achieve a minimum C grade in Mathematics: Specialist 3C/3D TEE Calculus with a final scaled score of 55 percent or more may seek an exemption from MAS182 Applied Mathematics from their Academic Chair.

Students who do not meet the prerequisite conditions for MAS182 Applied Mathematics will need a PASS in

MAS164 Fundamentals of Mathematics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous mathematics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

#### Physics Background

Students may need to complete one prerequisite unit depending on their background in physics and their final scaled score in WACE Physics 3A/3B within the past four years.

Students must achieve a C grade in Physics 3A/3B  
OR  
TEE Physics with a final scaled score of 60 percent or more  
OR  
PEN120 General Physics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous physics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

### Course Structure - 72 credit points

#### Part I - 24 credit points

##### Year 1 - 24 credit points

##### Transition Unit - 3 credit points

BSC100 Building Blocks for Science Students - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Breadth Unit for Degree - 3 credit points**

BSC150 What is Science? - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Core Units - 15 credit points**

PEN152 Principles of Physics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external  
(Students who have not completed Physics 3A/3B will be required to undertake PEN120 General Physics prior to completing this unit.)

MAS161 Calculus and Matrix Algebra - 3 points  
MURDOCH: S2-internal, S2-external  
(Students who have not completed Mathematics: Specialist 3C/3D will be required to undertake MAS182 Applied Mathematics prior to completing this unit.)

ENG192 Energy, Mass and Flow - 3 points  
MURDOCH: S2-internal, S2-external

MAS182 Applied Mathematics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

CHE144 Foundations of Chemistry - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**General Electives - 3 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Part II - 48 credit points****Year 2 - 24 credit points****Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

**For Primary Major in Cognitive Neuroscience and Health Psychology**

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
MURDOCH: S1-internal

**For Primary Majors in the Health Sciences, as listed**

Primary Major in Chiropractic Science, Exercise Physiology, Movement Science, or Sport and Health Science:

BSC206 Introduction to Research Methodology and Evidence Based Practice - 3 points  
MURDOCH: S2-internal

**For Primary Majors in Information Technology**

BSC203 Introduction to ICT Research Methods - 3 points  
MURDOCH: S1-internal, S1-external

**For All Other Primary Majors**

BSC200 Research in the Physical and Life Sciences - 3 points  
MURDOCH: S1-internal, S1-external

**Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

**Core Units - 12 credit points**

PEN231 Modern Physics - 3 points  
MURDOCH: S1-internal, S1-external

PEN202 Thermodynamics for Physics and Nanotechnology - 3 points  
MURDOCH: S2-internal, S2-external

PEN261 Applications of Nanotechnology - 3 points  
MURDOCH: S1-internal, S1-external

MAS220 Mathematical Methods - 3 points  
MURDOCH: S1-internal, S1-external

**General Electives - 6 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Year 3 - 24 credit points****Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

**For Primary Majors in Information Technology**

BSC301 Applied Research Skills in ICT - 3 points  
Not available this year

**For All Other Primary Majors**

BSC300 Bachelor of Science Research Skills Unit - 3 points  
Not available this year

**Breadth Unit University-Wide - 3 credit points**

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

**Core Units - 12 credit points**

PEN317 Physics of Materials - 3 points  
Not available this year

MAS354 Modelling and Simulation - 3 points  
Not available this year

OR

MAS351 Environmental and Biological Modelling - 3 points  
Not available this year

PEN332 Electromagnetism - 3 points  
Not available this year

PEN363 Experimental Physics and Nanotechnology - 3 points  
Not available this year

**General Electives - 6 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

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**PHYSICS AND NANOTECHNOLOGY HONOURS (BSC(HONS))**

School of Engineering and Information Technology

Bachelor of Science Honours (BSc(Hons)) in Physics and Nanotechnology  
Course Codes: H1257

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

The aim of Honours is to provide training in research and the development of higher-level skills. The student's grasp of the principles and practice of their subject will be extended and they will develop ability for independent research.

Successful completion of the Honours course is required for admission to research degrees (i.e. Masters or PhD degrees).

**Admission Requirements (Onshore):**

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Distinction average; subject to availability of a suitable supervisor and approval by the Associate Dean (Learning and Teaching) of the School.

English competence.

**Apply Online:**

Applications can be made online at <http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

**Professional Accreditation:**

Australian Institute of Physics

**Professional Recognition:**

Institute of Physics (IOP)

**Main Research Areas:**

Applied physics, nanotechnology and energy research.

**Course Structure - 24 credit points****Coursework - 9 or 12 credit points**

VLS683 Advanced Research Methods for Scientists - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

PEN530 Advanced Topics in Physics and Nanotechnology:  
Theoretical - 3 points  
MURDOCH: S1-internal, S1-external

PEN523 Advanced Topics in Physics and Nanotechnology:  
Experimental - 3 points  
MURDOCH: S2-internal, S2-external

If completing 12 credit points, select from any 500-level unit in the relevant discipline, approved by the Academic Chair.

**Thesis - 12 or 15 credit points**

PEN589 Honours Thesis in Physics and Nanotechnology - 12 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external,  
Y-internal, Y-external

OR

PEN599 Honours Thesis in Physics and Nanotechnology - 15 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external,  
Y-internal, Y-external

**POLITICS AND INTERNATIONAL STUDIES****See also:**

International Business  
Security, Terrorism and Counterterrorism

**POLITICS AND INTERNATIONAL STUDIES (BA)**

School of Management and Governance

Bachelor of Arts (BA) in Politics and International Studies

Course Codes: B1316

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

Politics and International Studies are related fields of study which involve the critical evaluation of contemporary political issues.

Politics focuses on the examination of how power is distributed in society, how individuals and groups organise to change the

distribution of power, and why governments vary in their stances on such issues as individual and minority rights, environmentalism, and neoliberalism.

The linked study of International Studies examines issues of globalisation -- including its impact on economic development -- and the relationships between global governance, nation-states, and ethnic and regional communities.

In the Bachelor of Arts you will develop a broad understanding of your field and proficiency in producing written and oral arguments and creative artifacts in response to social, human and natural phenomena. You will also develop a critical appreciation of the perspectives of others. As an Arts graduate you will be able to think critically and creatively, apply knowledge and information, and communicate effectively. These are professional skills which are critical across a range of industries. You will also be able to pursue further study in the fields of social research, the humanities and/or the creative arts.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

**Special Requirements:**

There may be a reduction in choice of units if completing this course in the external mode.

**Employment Prospects:**

Graduates are suited to employment in parliamentary offices, public administration, journalism, teaching, research, advocacy, international business and corporate management.

**Recommended Double Majors:**

Economics; History; Security, Terrorism and Counterterrorism Studies; Security, Terrorism and Counterterrorism Studies (OUA)

**Excluded Minors:**

Politics and International Studies

**Main Research Areas:**

International political economy, globalisation, democratisation, international relations, ethnic conflict, Liberalism, Australian politics, Asian politics, social change.

**Languages and Writing Skills:**

Politics and International students are strongly encouraged to include a writing unit in their selection of a general elective at either Part I or Part II. It is also recommended that students consider studying a language other than English, with Indonesian, Japanese, Biblical Hebrew and New Testament Greek all available at Murdoch.

**Course Structure - 72 credit points****Part I - 24 credit points****Year 1 - 24 credit points****Transition Unit - 3 credit points**

BAR100 Academic Learning Skills - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Breadth Unit for Degree - 3 credit points**

BAR150 Ideas and Identity - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Core Units - 6 credit points**

POL133 Introduction to Politics - 3 points  
MURDOCH: S1-internal, S1-external

POL161 Understanding International Politics - 3 points  
MURDOCH: S2-internal, S2-external

**General Electives - 12 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Part II - 48 credit points****Year 2 - 24 credit points****Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

**For Primary Major in Social and Developmental Psychology**

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
MURDOCH: S1-internal

**For All Other Primary Majors**

BAR200 Developing Research Skills and Methods - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

**Core Units - 6 credit points**

POL227 Controversies in Australian Politics - 3 points  
MURDOCH: S1-internal, S1-external

POL224 International Relations Theory and Practice - 3 points  
MURDOCH: S1-internal, S1-external

**Specified Electives - 3 credit points**

Select from the following:

POL246 Public Policy Analysis - 3 points  
MURDOCH: S2-internal, S2-external

POL226 Sex and Gender Matters - 3 points  
MURDOCH: S2-internal, S2-external

POL231 Mediated Politics - 3 points  
Not available this year

POL298 International Political Economy - 3 points  
MURDOCH: S2-internal, S2-external

**General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Year 3 - 24 credit points****Research Skills Unit - 3 credit points**

BAR300 Bachelor of Arts Research Skills Unit - 3 points  
Not available this year

**Breadth Unit University-Wide - 3 credit points**

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

**Core Units - 6 credit points**

POL344 Australian Foreign and Security Policy - 3 points  
Not available this year

POL341 Governance and Politics in the 21st Century - 3 points  
Not available this year

**Specified Electives - 3 credit points**

Select from the following:

POL342 Political Philosophy for Fun and Profit - 3 points  
Not available this year

POL385 Environmental Politics - 3 points  
Not available this year

POL343 Government Agencies in a Changing World - 3 points  
Not available this year

POL340 Parliamentary and Public Sector Internship - 6 points  
Not available this year

**General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

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**POLITICS AND INTERNATIONAL STUDIES HONOURS (BA(HONS))**

School of Management and Governance

Bachelor of Arts Honours (BA(Hons)) in Politics and International Studies

Course Codes: H1256

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

**Admission Requirements (Onshore):**

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Distinction average; subject to availability of a suitable supervisor and approval by the Associate Dean Learning and Teaching.

English competence.

**Apply Online:**

Applications can be made online at  
<http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

**Course Structure - 24 credit points****Coursework - 12 credit points****Core Units - 9 credit points**

POL501 Honours Research Seminar - 6 points  
MURDOCH: S1-internal, S1-external

POL500 Honours Topic in Politics and International Studies - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external

**Elective Unit - 3 credit points**

A 500-level unit chosen in consultation with the Honours supervisor and Academic Chair

**Thesis - 12 credit points**

POL579 Honours Thesis in Politics and International Studies - 12 points  
MURDOCH: S1-internal, S2-internal

## PSYCHOLOGY

### See also:

Counselling  
Human Resources and Safety

## COGNITIVE NEUROSCIENCE AND HEALTH PSYCHOLOGY (BSC)

School of Psychology and Exercise Science

Bachelor of Science (BSc) in Cognitive Neuroscience and Health Psychology

Course Codes: B1317

Duration: 3 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)

The study of psychology is a quest to understand behaviour, relationships and the workings of the human mind. In this major students will develop an appreciation of the foundations of psychological knowledge and how modern scientific research methods are used to further the understanding of our differences and similarities as human beings.

The BSc (Cognitive Neuroscience and Health Psychology) is intended to introduce students to very exciting new developments in neuroscience, cognition, perception, psychophysiology, drug dependency, clinical neuropsychology, and abnormal behaviour. As such, it is ideal for students who wish to take a double major in a complementary field, such as biomedical science, physiology, health, rehabilitation, etc. This major does not, in itself, constitute a professionally-accredited degree. Nonetheless, with the addition of only three further core units students are able to complete all the requirements of a three-year sequence fully accredited by the Australian Psychology Accreditation Council, and recognised by the Australian Psychological Society. Graduates are then able to proceed to a 4th year of study in psychology and to provisional registration as a Psychologist, or to further study at graduate level.

Students enrolled in this course may elect to undertake a double major in Psychology by also completing the major offered in the BA (Social and Developmental Psychology) (see the description of this degree elsewhere in the Handbook). The combined majors, which can be completed in the three years required for the Cognitive Neuroscience and Health major alone, will provide students with an extremely thorough professional and scientific grounding in the discipline of psychology. It is therefore highly recommended for those students who intend to pursue professional careers in mainstream psychology or who wish to complete graduate degrees in research and applications of psychology.

Murdoch's Bachelor of Science is a flexible degree which gives you the opportunity to build deep understanding and practical experience as well as to supplement your studies by engaging with industry and the community on relevant problems. You can even undertake studies through another discipline to broaden your understanding of the way in which science operates in relation to social, business, health and policy environments.

### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

### Employment Prospects:

Psychology will be of special interest not only to those desiring to enter the psychology profession but also to students envisaging a practical or academic career in such fields as management, human resources, marketing, law, criminology, media studies, etc.

### Professional Accreditation:

Students who wish to proceed to 4th and later years of study and/or be eligible for professional registration must complete three extra core units mandated by the Australian Psychology Accreditation Council. Details are included in the structure of the major.

### Recommended Minors:

Social and Developmental Psychology

### Main Research Areas:

The emphasis on neuroscience in the Cognitive Neuroscience and Health Psychology major will be particularly useful to those contemplating a research career in clinical or experimental psychology.

## Course Structure - 72 credit points

### Part I - 24 credit points

#### Year 1 - 24 credit points

##### Transition Unit - 3 credit points

BSC100 Building Blocks for Science Students - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### Breadth Unit for Degree - 3 credit points

BSC150 What is Science? - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### Core Units - 9 credit points

PSY141 Introduction to Psychological Science - 3 points  
MURDOCH: S1-internal, S2-internal

PSY173 Introduction to Psychological Research Methods - 3 points  
MURDOCH: S2-internal

PSY172 Introduction to Psychological Health and Wellbeing - 3 points  
MURDOCH: S2-internal

##### General Electives - 9 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

### Part II - 48 credit points

#### Year 2 - 24 credit points

##### Research Skills Unit - 3 credit points

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

##### For Primary Major in Cognitive Neuroscience and Health Psychology

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
MURDOCH: S1-internal

##### For Primary Majors in the Health Sciences, as listed

Primary Major in Chiropractic Science, Exercise Physiology, Movement Science, or Sport and Health Science:

BSC206 Introduction to Research Methodology and Evidence Based Practice - 3 points  
MURDOCH: S2-internal

##### For Primary Majors in Information Technology

BSC203 Introduction to ICT Research Methods - 3 points  
MURDOCH: S1-internal, S1-external

##### For All Other Primary Majors

BSC200 Research in the Physical and Life Sciences - 3 points  
MURDOCH: S1-internal, S1-external

**Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

**Core Units - 9 credit points**

PSY294 Psychology: Cognitive Processes - 3 points  
MURDOCH: S1-internal

PSY297 Psychology: Sensation and Perception - 3 points  
MURDOCH: S2-internal

PSY251 Psychology: Biological Bases of Behaviour - 3 points  
MURDOCH: S1-internal

**General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Year 3 - 24 credit points****Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

**For Primary Majors in Information Technology**

BSC301 Applied Research Skills in ICT - 3 points  
Not available this year

**For All Other Primary Majors**

BSC300 Bachelor of Science Research Skills Unit - 3 points  
Not available this year

**Breadth Unit University-Wide - 3 credit points**

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

**Core Units - 9 credit points**

PSY388 Psychology: Abnormal Behaviour - 3 points  
Not available this year

PSY389 Psychology: Drugs and Dependence - 3 points  
Not available this year

PSY396 Psychology: Cognitive and Developmental Neuroscience - 3 points  
MURDOCH: S2-internal

**General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Additional Professional Registration Requirements**

Students who wish to proceed to fourth and later years of study and/or be eligible for professional registration must complete the following three units mandated by the Australian Psychology Accreditation Council.

PSY101 Introduction to Cultural and Community Psychology - 3 points  
MURDOCH: S1-internal

PSY286 Psychology: Human Development - 3 points  
MURDOCH: S2-internal

PSY285 Psychology: Social Bases of Behaviour - 3 points  
MURDOCH: S1-internal

Entry into the Graduate Diploma in Psychology (fourth year of study) is only permitted for students who have completed an accredited three-year sequence. The minimum entry standard is a Credit average over all Psychology units completed in the

preceding three year sequence.

**PSYCHOLOGY (BPSYCH/BA)**

School of Psychology and Exercise Science

Bachelor of Psychology (BPsych)/Bachelor of Arts (BA) in Psychology

Course Codes: B1103 B1104

Duration: 3 or 4 years full-time (BA 3 years; BPsych 4 years) or part-time equivalent

**Availability:**

- Murdoch campus (internal) (not available to new admissions at this location)
- Kaplan Higher Education Institute and Kaplan Higher Education Academy (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English) (Bachelor of Arts only; available until end 2016 at this location, after which this will be replaced by the Bachelor of Arts in Social and Developmental Psychology)

The study of psychology is a quest to understand behaviour, relationships and the workings of the human mind. In this course students will develop an appreciation of the foundations of psychological knowledge and how modern scientific research methods are used to further this understanding of our differences and similarities. Psychology teaches both research and practical application in the clinical, cognitive, developmental, organisational and social areas.

The four-year Bachelor of Psychology course is a professionally-accredited degree which covers all relevant parts of the psychology curriculum to provide a balanced and comprehensive appreciation of psychology from all major perspectives, and provides students with the minimum necessary units to satisfy the University education requirements for the practice of Psychology. Especially strong components of the course at Murdoch are represented through minors in developmental, health, organisational and social psychology. Applied psychology is included in the curriculum through organisational, clinical and human factors studies. This degree also provides broad skills in teamwork, communication and problem solving necessary in social and workplace settings. The opportunity to undertake a practical placement is available in the fourth year. Those students wishing to exit after three years may apply to graduate with the three-year Bachelor of Arts (Psychology).

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

**Special Requirements:**

All students in the Psychology undergraduate course intending to complete a fourth year in Psychology are required to complete five hours of research participation for each full-time year of study or part-time equivalent prior to their enrolment in the fourth year of the Honours or BPsych research projects. The participation required will therefore total 15 hours for the 3 years of study prior to the Honours or BPsych project.

**Employment Prospects:**

Psychology degrees will be of special interest not only to those desiring to enter the psychology profession but also to students envisaging a practical or academic career in education, ergonomics or human resource management.

**Professional Recognition:**

All Murdoch University Psychology degrees taught at Murdoch are accredited by the Australian Psychology Accreditation Council (APAC), and recognised by the Australian Psychological Society (APS). However, students transferring from another university must

ensure that the study they have completed previously, when combined with their study at Murdoch University, meets the requirements of the relevant psychology registration board for equivalence to an accredited four-year Australian degree in psychology.

#### **Recommended Minors:**

Developmental Psychology; Health Psychology; Organisational Psychology; Social Psychology

#### **Previous Degrees:**

It should be noted that students who hold a previous degree will be considered as having completed a double major for purposes of satisfying requirements for the award of the Bachelor of Psychology (BPsych) degree. In such cases normal credit rules apply. Students should consult the Psychology Academic Chair for advice on unit exemptions. Students completing a double major, second or subsequent degree, double degree or joint degree are not required to complete a Psychology minor.

### **Course Structure - BA (Psychology), 72 credit points; BPsych, 96 credit points**

#### **Part I - 24 credit points**

##### **Foundation Unit - 3 credit points**

From 2014, Foundation units will no longer be offered at the Murdoch Campus. Students who have not yet successfully completed a Foundation unit will be required to enrol in the following Transition Unit.

BAR100 Academic Learning Skills - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Students enrolled at the Kaplan campus will enrol in:

FDN107 Next Life - 3 points  
KAPLAN-SGP: TMA-internal, TSA-internal

##### **Core Units - 9 credit points**

PSY141 Introduction to Psychological Science - 3 points  
MURDOCH: S1-internal, S2-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

PSY171 Introduction to Applications of Psychology - 3 points  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

OR

PSY101 Introduction to Cultural and Community Psychology - 3 points  
MURDOCH: S1-internal

PSY173 Introduction to Psychological Research Methods - 3 points  
MURDOCH: S2-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

##### **General Electives - 12 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

Highly recommended:

PSY172 Introduction to Psychological Health and Wellbeing - 3 points  
MURDOCH: S2-internal

#### **Part II (BA and BPsych) - 48 credit points**

##### **Core Units - 28 credit points**

Students enrolled in the Bachelor of Psychology (BPsych) or Bachelor of Arts in Psychology (BA) must complete at least one of

the Psychology minors. Students are strongly encouraged to complete more than one minor. Individual units can only be used toward one minor. Students completing a double major, double degree, joint degree or second or subsequent degree, are not required to complete a Psychology minor.

PSY213 Psychology: Abnormal Behaviour - 4 points  
MURDOCH: S2-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

PSY351 Psychology: Biological Bases of Behaviour - 4 points  
MURDOCH: S1-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

PSY353 Psychology: Cognitive Processes - 4 points  
MURDOCH: S1-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

PSY247 Psychology: Human Development - 4 points  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

OR

PSY286 Psychology: Human Development - 3 points  
MURDOCH: S2-internal

PSY248 Psychology: Social Bases of Behaviour - 4 points  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

OR

PSY285 Psychology: Social Bases of Behaviour - 3 points  
MURDOCH: S1-internal

PSY212 Psychology: Measurement, Design and Analysis - 4 points  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

OR

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
MURDOCH: S1-internal

PSY311 Psychology: Advanced Quantitative Research Methods - 4 points  
MURDOCH: S1-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

OR

PSY315 Psychology: Advanced Qualitative Research Methods - 4 points  
(no longer available)

##### **Specified Electives - 8 credit points**

Select units to complete at least one of the following minors:

##### **Developmental Psychology Minor**

PSY249 Psychology: The Developing Mind - 4 points  
MURDOCH: S1-internal

PSY356 Psychology: Family Relations and Social Development - 4 points  
MURDOCH: S2-internal

##### **Health Psychology Minor**

PSY215 Psychology: Drugs and Dependence - 4 points  
MURDOCH: S1-internal

PSY358 Psychology: Sensation and Perception - 4 points  
(no longer available)

OR

PSY297 Psychology: Sensation and Perception - 3 points  
MURDOCH: S2-internal

##### **Organisational Psychology Minor**

PSY217 Psychology: Work and Organisations - 4 points

KAPLAN-SGP: TJA-internal, TSA-internal

PSY357 Psychology: Safety, Errors and Accidents - 4 points  
KAPLAN-SGP: TMA-internal

### **Social Psychology Minor**

PSY218 Psychology: Self and Society - 4 points  
(no longer available)

OR

PSY287 Psychology: Self and Society - 3 points  
MURDOCH: S2-internal

PSY246 Psychology: Culture and Community - 4 points  
(no longer available)

OR

PSY356 Psychology: Family Relations and Social Development - 4 points  
MURDOCH: S2-internal

### **General Electives - 12 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Students may choose to take Specified Electives and/or Core units that have not already been taken as part of their Core requirements.

In addition, Special Topics are available from time to time. Students should consult the Academic Chair to confirm the offering for any particular year.

### **Part II (Year 4, BPsych only) - 24 credit points**

Students who are accepted into the BPsych (Hons) should refer instead to the Year 4 section of Honours in Psychology (BPsych(Hons)).

#### **Core Units - 16 credit points**

PSY441 Psychology: Fourth Year Project - 8 points  
MURDOCH: H-internal, Y-internal

PSY412 Psychology: Fourth Year Seminar - 4 points  
MURDOCH: S1-internal

PSY431 Psychology: Principles of Psychological Assessment - 4 points  
MURDOCH: S1-internal

#### **Specified Electives - 8 credit points**

Select from the Part II Core Units not already taken above, or from the following:

The following unit is no longer available - contact the Academic Chair for advice:  
PSY434 Psychology: Industrial and Organisational Issues - 4 points

PSY436 Psychology: Principles and Processes of Interventions - 4 points  
MURDOCH: S2-internal

PSY444 BPsych Practical Placements - 4 points  
MURDOCH: S1-placement (quota of 30 places), S2-placement (quota of 30 places)

## **SOCIAL AND DEVELOPMENTAL PSYCHOLOGY (BA)**

School of Psychology and Exercise Science

Bachelor of Arts (BA) in Social and Developmental Psychology

Course Codes: B1316

Duration: 3 years full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal)

The study of psychology is a quest to understand behaviour, relationships, and the workings of the human mind. In this course, students will develop an appreciation of the foundations of psychological knowledge and how modern scientific research methods are used to further the understanding of our differences and similarities.

The BA (Social and Developmental Psychology) is designed to provide specialised knowledge of social, developmental, cultural, organisational, and qualitative perspectives in psychology. As such, it is ideal for students who wish to take a double major in a complementary field, such as management, human resources, marketing, law, criminology, media studies, etc. This major does not, in itself, constitute a professionally-accredited degree. Nonetheless, with the addition of only three further core units students are able to complete all the requirements of a three-year sequence fully accredited by the Australian Psychology Accreditation Council, and recognised by the Australian Psychological Society. Graduates are then able to proceed to a fourth year of study in psychology and to provisional registration as a Psychologist, or to further study at graduate level.

Students enrolled in the BA (Social and Developmental Psychology) may elect to undertake a double major in Psychology by also completing the major normally offered in the BSc (Cognitive Neuroscience and Health) (see the description of this degree elsewhere in the Handbook). The combined majors, which can be completed in the three years required for the Social and Developmental major alone, will provide students with an extremely thorough professional and scientific grounding in the discipline of psychology. It is therefore highly recommended for those students who intend to pursue professional careers in mainstream psychology or who wish to complete graduate degrees in research and applications of psychology.

In the Bachelor of Arts you will develop a broad understanding of your field and proficiency in producing written and oral arguments and creative artifacts in response to social, human and natural phenomena. You will also develop a critical appreciation of the perspectives of others. As an Arts graduate you will be able to think critically and creatively, apply knowledge and information, and communicate effectively. These are professional skills which are critical across a range of industries. You will also be able to pursue further study in the fields of social research, the humanities and/or the creative arts.

#### **Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

#### **Employment Prospects:**

Psychology will be of special interest not only to those desiring to enter the psychology profession but also to students envisaging a practical or academic career in such fields as management, human resources, marketing, law, criminology, media studies, etc.

#### **Professional Accreditation:**

Students who wish to proceed to 4th and later years of study and/or be eligible for professional registration must complete three extra core units mandated by the Australian Psychology Accreditation



Council. Details are included in the structure of the major.

## Course Structure - 72 credit points

### Part I - 24 credit points

#### Year 1 - 24 credit points

##### Transition Unit - 3 credit points

BAR100 Academic Learning Skills - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### Breadth Unit for Degree - 3 credit points

BAR150 Ideas and Identity - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### Core Units - 9 credit points

PSY141 Introduction to Psychological Science - 3 points  
MURDOCH: S1-internal, S2-internal

PSY173 Introduction to Psychological Research Methods - 3 points  
MURDOCH: S2-internal

PSY101 Introduction to Cultural and Community Psychology - 3 points  
MURDOCH: S1-internal

##### General Electives - 9 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

### Part II - 48 credit points

#### Year 2 - 24 credit points

##### Research Skills Unit - 3 credit points

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

##### For Primary Major in Social and Developmental Psychology

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
MURDOCH: S1-internal

##### For All Other Primary Majors

BAR200 Developing Research Skills and Methods - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### Breadth Unit University-Wide - 3 credit points

Select one 200-level University Breadth Unit.

##### Core Units - 9 credit points

PSY285 Psychology: Social Bases of Behaviour - 3 points  
MURDOCH: S1-internal

PSY286 Psychology: Human Development - 3 points  
MURDOCH: S2-internal

PSY287 Psychology: Self and Society - 3 points  
MURDOCH: S2-internal

##### General Electives - 9 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

#### Year 3 - 24 credit points

##### Research Skills Unit - 3 credit points

BAR300 Bachelor of Arts Research Skills Unit - 3 points

Not available this year

##### Breadth Unit University-Wide - 3 credit points

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

##### Core Units - 9 credit points

PSY391 Psychology: Advanced Qualitative Research Methods - 3 points  
Not available this year

PSY392 Psychology: Family Relations and Social Development - 3 points  
Not available this year

PSY393 Psychology: The Developing Mind - 3 points  
Not available this year

##### General Electives - 9 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

##### Additional Professional Registration Requirements

Students who wish to proceed to fourth and later years of study and/or be eligible for professional registration must complete the following three units mandated by the Australian Psychology Accreditation Council.

PSY388 Psychology: Abnormal Behaviour - 3 points  
Not available this year

PSY251 Psychology: Biological Bases of Behaviour - 3 points  
MURDOCH: S1-internal

PSY294 Psychology: Cognitive Processes - 3 points  
MURDOCH: S1-internal

Entry into the Graduate Diploma in Psychology (fourth year of study) is only permitted for students who have completed an accredited three-year sequence. The minimum entry standard is a Credit average over all Psychology units completed in the preceding 3 year sequence.

## PSYCHOLOGY HONOURS (BA(HONS))

School of Psychology and Exercise Science

Bachelor of Arts Honours (BA(Hons)) in Psychology

Course Codes: H1256

Duration: 1 year full-time or part-time equivalent

##### Availability:

- Murdoch campus (internal)

The aim of Honours is to extend the students' grasp of the principles and practice of their subject, and to develop their ability to conduct independent research.

The Honours course provides units in research design and the opportunity to carry out a piece of empirical research under supervision. Students are expected to negotiate a research topic in conjunction with a supervisor. The thesis reporting the empirical research represents more than half of the fourth (Honours) year work.

An Honours qualification of 2A is normally required for admission to higher research degree study.

##### Admission Requirements (Onshore):

Completion of a Bachelor Degree (AQF Level 7) with a major in psychology with a Distinction average; subject to availability of a

suitable supervisor and approval by the Academic Chair of the Honours program.

English competence.

**Apply Online:**

Applications can be made online at <http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

**Employment Prospects:**

Psychology degrees will be of special interest not only to those desiring to enter the psychology profession but also to students envisaging employment and careers in fields which require a good understanding of human behaviour. Such careers may include health, education, ergonomics or human resource management.

**Professional Recognition:**

All Murdoch University Psychology degrees are fully accredited by the Australian Psychology Accreditation Council (APAC), and recognised by the Australian Psychological Society (APS).

**Further Study:**

Successful completion of the Honours course is required for admission to research degrees (i.e. Masters or PhD degrees).

### Course Structure - 24 credit points

#### Coursework - 9 credit points

PSY501 Psychology: Honours Seminar - 3 points  
MURDOCH: S1-internal

PSY598 Advanced Psychological Assessment - 3 points  
MURDOCH: S1-internal

PSY536 Psychology: Principles and Processes of Psychological Intervention - 3 points  
MURDOCH: S2-internal

#### Thesis - 15 credit points

PSY5078 BA Honours Thesis in Psychology - 15 points  
MURDOCH: H-internal, S1-internal, S2-internal, SUM-internal, W-internal, Y-internal

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## PSYCHOLOGY HONOURS (BSC(HONS))

School of Psychology and Exercise Science

*Bachelor of Science Honours (BSc(Hons)) in Psychology*

Course Codes: H1257

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

The aim of Honours is to extend the students' grasp of the principles and practice of their subject, and to develop their ability to conduct independent research.

The Honours course provides units in research design and the opportunity to carry out a piece of empirical research under supervision. Students are expected to negotiate a research topic in conjunction with a supervisor. The thesis reporting the empirical research represents more than half of the fourth (Honours) year work.

An Honours qualification of 2A is normally required for admission to higher research degree study.

**Admission Requirements (Onshore):**

Completion of a Bachelor Degree (AQF Level 7) with a major in psychology with a Distinction average; subject to availability of a suitable supervisor and approval by the Academic Chair of the Honours program.

English competence.

**Apply Online:**

Applications can be made online at <http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

**Employment Prospects:**

Psychology degrees will be of special interest not only to those desiring to enter the psychology profession but also to students envisaging employment and careers in fields which require a good understanding of human behaviour. Such careers may include health, education, or human resource management.

**Professional Recognition:**

All Murdoch University Psychology degrees are fully accredited by the Australian Psychology Accreditation Council (APAC), and recognised by the Australian Psychological Society (APS).

**Further Study:**

Successful completion of the Honours course is required for admission to research degrees (i.e. Masters or PhD degrees).

### Course Structure - 24 credit points

#### Coursework - 9 credit points

PSY501 Psychology: Honours Seminar - 3 points  
MURDOCH: S1-internal

PSY598 Advanced Psychological Assessment - 3 points  
MURDOCH: S1-internal

PSY536 Psychology: Principles and Processes of Psychological Intervention - 3 points  
MURDOCH: S2-internal

#### Thesis - 15 credit points

PSY5099 BSc Honours Thesis in Psychology - 15 points  
MURDOCH: H-internal, S1-internal, S2-internal, SUM-internal, W-internal, Y-internal

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## PUBLIC RELATIONS

**See also:**

Journalism

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### PUBLIC RELATIONS (BA)

School of Arts

*Bachelor of Arts (BA) in Public Relations*

Course Codes: B1316

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

This major aims to prepare students for careers in public relations and communications. It explores Australian and international theories and practices, with an emphasis on ethical communication and engagement with a diverse range of stakeholders. The major offers a combination of theoretical and practical components. Students are introduced to communication and public relations theory and are expected to develop critical thinking, evaluative and analytical skills. Communication skills -- including writing, public speaking, team work and conflict management -- are taught in addition to the development of public relations strategies to achieve organisational objectives.

In the Bachelor of Arts you will develop a broad understanding of your field and proficiency in producing written and oral arguments and creative artifacts in response to social, human and natural phenomena. You will also develop a critical appreciation of the perspectives of others. As an Arts graduate you will be able to think

critically and creatively, apply knowledge and information, and communicate effectively. These are professional skills which are critical across a range of industries. You will also be able to pursue further study in the fields of social research, the humanities and/or the creative arts.

#### **Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

#### **Employment Prospects:**

Graduates may follow careers in public relations and specialised areas such as public affairs, community relations, media liaison and online communication.

#### **Recommended Double Majors:**

Communication and Media Studies; Journalism; Web Communication

## **Course Structure - 72 credit points**

### **Part I - 24 credit points**

#### **Year 1 - 24 credit points**

##### **Transition Unit - 3 credit points**

BAR100 Academic Learning Skills - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### **Breadth Unit for Degree - 3 credit points**

BAR150 Ideas and Identity - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### **Core Units - 6 credit points**

PRO101 Introduction to Social Media - 3 points  
MURDOCH: S2-internal  
  
PRO107 Introduction to Public Relations - 3 points  
MURDOCH: S1-internal

##### **General Electives - 12 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

### **Part II - 48 credit points**

#### **Year 2 - 24 credit points**

##### **Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

##### **For Primary Major in Social and Developmental Psychology**

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
MURDOCH: S1-internal

##### **For All Other Primary Majors**

BAR200 Developing Research Skills and Methods - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### **Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

##### **Core Units - 9 credit points**

PRO259 Media Relations - 3 points  
MURDOCH: S1-internal  
  
PRO285 Public Relations in Society - 3 points  
MURDOCH: S1-internal, S1-external

PRO204 Public Relations Strategy - 3 points  
MURDOCH: S2-internal

#### **General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

#### **Year 3 - 24 credit points**

##### **Research Skills Unit - 3 credit points**

BAR300 Bachelor of Arts Research Skills Unit - 3 points  
Not available this year

##### **Breadth Unit University-Wide - 3 credit points**

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

##### **Core Units - 9 credit points**

PRO345 Issues and Crisis Management - 3 points  
Not available this year  
  
PRO302 Public Relations Project - 3 points  
Not available this year  
  
PRO307 Campaign Management - 3 points  
Not available this year

#### **General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

## **PUBLIC RELATIONS (BCOMMUN)**

School of Arts

*Bachelor of Communication (BCommun) in Public Relations*

Course Codes: B1284 B1284A

Duration: 3 years full-time or part-time equivalent; SGP1: 4 trimesters full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal) (no new admissions from 2015 at this location for first-year commencing students)
- SMF Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced by a Bachelor of Arts)
- KDU College (Petaling Jaya, Malaysia) ['KDUPJ'] (internal) (by formal agreement) (language of instruction: English) (not available to new admissions)
- Kaplan Higher Education Institute and Kaplan Higher Education Academy (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced by a Bachelor of Arts)
- Murdoch University International Study Centre (Dubai, UAE) ['DUBAI-ISC'] (internal) (by formal agreement) (language of instruction: English)
- Some units only: Murdoch campus (external) (no new admissions from 2015 at this location for first-year commencing student)

This major aims to prepare students for careers in public relations and communications. It explores Australian and international theories and practices, with an emphasis on ethical communication and engagement with a diverse range of stakeholders. The major offers a combination of theoretical and practical components. Students are introduced to communication and public relations

theory and are expected to develop critical thinking, evaluative and analytical skills. Communication skills -- including writing, public speaking, team work and conflict management -- are taught in addition to the development of public relations strategies to achieve organisational objectives.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

**Employment Prospects:**

Graduates may follow careers in public relations and specialised areas such as public affairs, community relations, media liaison, event management and sponsorship.

**Professional Accreditation:**

The Bachelor of Communication in Public Relations is accredited by the Public Relations Institute of Australia. Graduates of accredited courses have an accelerated path to professional membership of the Institute.

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**Course Structure - 72 credit points**

**Part I - 24 credit points**

**Foundation Unit - 3 credit points**

From 2014, Foundation units will no longer be offered at the Murdoch Campus. Students who have not yet successfully completed a Foundation unit will be required to enrol in the following Transition Unit.

BAR100 Academic Learning Skills - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Students enrolled at the Dubai or Kaplan campus will enrol in:

FDN107 Next Life - 3 points  
DUBAI-ISC: TJD-internal, TMD-internal, TSD-internal  
KAPLAN-SGP: TMA-internal, TSA-internal

**Core Units - 6 credit points**

MCC108 Introduction to Communication and Media - 3 points  
DUBAI-ISC: TMD-internal

OR

CMS100 Introduction to Communication - 3 points  
MURDOCH: S1-internal, S1-external

MCC107 Introduction to Public Relations - 3 points  
DUBAI-ISC: TJD-internal, TSD-internal

OR

PRO107 Introduction to Public Relations - 3 points  
MURDOCH: S1-internal

**General Electives - 15 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Part II - 48 credit points**

**Core Units - 24 credit points**

MCC259 Media Relations - 4 points  
DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TJA-internal, TSA-internal  
SGP1: TJB-internal, TSB-internal

OR

PRO259 Media Relations - 3 points

MURDOCH: S1-internal

The following unit is no longer available at the Murdoch campus - contact the Academic Chair for advice:

MCC213 Communication Research - 4 points

DUBAI-ISC: TMD-internal

KAPLAN-SGP: TMA-internal

SGP1: TMB-internal

The following unit is no longer available at the Murdoch campus - contact the Academic Chair for advice:

MCC204 Public Relations: Contemporary Approaches - 4 points

DUBAI-ISC: TJD-internal, TSD-internal

KAPLAN-SGP: TJA-internal, TSA-internal

SGP1: TJB-internal, TSB-internal

MCC385 Public Relations in Society - 4 points

DUBAI-ISC: TMD-internal

KAPLAN-SGP: TMA-internal

SGP1: TMB-internal

OR

PRO285 Public Relations in Society - 3 points

MURDOCH: S1-internal, S1-external

MCC307 Campaign Management - 4 points

MURDOCH: S2-internal

DUBAI-ISC: TJD-internal, TSD-internal

KAPLAN-SGP: TJA-internal, TSA-internal

SGP1: TJB-internal, TSB-internal

MCC345 Issues and Crisis Management - 4 points

MURDOCH: S1-internal

DUBAI-ISC: TMD-internal

KAPLAN-SGP: TMA-internal

SGP1: TMB-internal

**General Electives - 24 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

Students with strong academic records can apply to the Academic Chair to take:

MCC325 Professional Placement - 4 points  
MURDOCH: S1-placement, S2-placement, SUM-placement, W-placement

**PUBLIC RELATIONS HONOURS (BA(HONS))**

School of Arts

Bachelor of Arts Honours (BA(Hons)) in Public Relations

Course Codes: H1256

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop the student's capacity for independent research. Potential students are invited to discuss their proposed research topic with the academic chair.

An Honours qualification of 2A is normally required for admission to higher research degree study.

**Admission Requirements (Onshore):**

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Distinction average; subject

to availability of a suitable supervisor and approval by the Associate Dean (Learning and Teaching) of the School.

English competence.

**Apply Online:**

Applications can be made online at  
<http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

## Course Structure - 24 credit points

### Coursework - 12 credit points

ART503 Honours Seminar in Arts - 3 points  
 MURDOCH: S1-internal

ART604 Advanced Research Methods - 3 points  
 MURDOCH: S1-internal, S1-external

PRO561 Honours Topic in Public Relations A - 3 points  
 MURDOCH: S1-internal, S2-internal, Y-internal

PRO562 Honours Topic in Public Relations B - 3 points  
 MURDOCH: S1-internal, S2-internal, Y-internal

### Thesis - 12 credit points

PRO569 Honours Thesis in Public Relations - 12 points  
 MURDOCH: S1-internal, S2-internal, Y-internal

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## RADIO

**See also:**

Media Studies

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### RADIO (BA)

School of Arts

Bachelor of Arts (BA) in Radio

Course Codes: B1316

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

*Restriction: Enrolment is subject to restriction due to constraints on unit enrolments.*

This major introduces students to live radio broadcasting and audio production in a range of creative formats. Students broadcast on Radio Fremantle and online, giving them a unique opportunity to experience radio production in a real-life industry environment. Students completing this major will be equipped with a wide range of skills covering reporting, presenting, producing, digital recording and editing. They will also have an understanding of how the industry operates and of the place of radio in the Australian and global media landscape.

In the Bachelor of Arts you will develop a broad understanding of your field and proficiency in producing written and oral arguments and creative artifacts in response to social, human and natural phenomena. You will also develop a critical appreciation of the perspectives of others. As an Arts graduate you will be able to think critically and creatively, apply knowledge and information, and communicate effectively. These are professional skills which are critical across a range of industries. You will also be able to pursue further study in the fields of social research, the humanities and/or the creative arts.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

**Special Requirements:**

Many of the production units in Radio are subject to quota. Entry to Part II production units depends on students' performance (C grade average) in the Part I production unit prerequisites. In certain instances, and at the discretion of the Academic Chair, the Part I prerequisite may be waived for students with previous production experience.

**Employment Prospects:**

Graduates in radio have progressed to successful careers in all aspects of media work both in Australia and abroad. The broad-ranging skills acquired during the course of the degree prepares graduates equally well for media production as for media-based roles in government, business and education. With genuine live-to-air experience and audio digital production skills, as well as theoretical knowledge about broadcast policy and audiences, radio graduates are prepared for a wide range of on-air and off-air roles in the broadcasting industries.

**Recommended Double Majors:**

Journalism; Sound

**Excluded Minors:**

Radio

**Main Research Areas:**

Radio production, online radio, digital radio, broadcast journalism, broadcast policy, audiences.

## Course Structure - 72 credit points

### Part I - 24 credit points

#### Year 1 - 24 credit points

**Transition Unit - 3 credit points**

BAR100 Academic Learning Skills - 3 points  
 MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Breadth Unit for Degree - 3 credit points**

BAR150 Ideas and Identity - 3 points  
 MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Core Units - 9 credit points**

RAD105 Introduction to Radio - 3 points  
 MURDOCH: S2-internal (quota of 80 places)

SOU169 Introduction to Sound Studies - 3 points  
 MURDOCH: S1-internal

SOU101 Introduction to Audio Production - 3 points  
 MURDOCH: S2-internal (quota of 90 places)

**General Electives - 9 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

### Part II - 48 credit points

#### Year 2 - 24 credit points

**Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

**For Primary Major in Social and Developmental Psychology**

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
 MURDOCH: S1-internal

**For All Other Primary Majors**

BAR200 Developing Research Skills and Methods - 3 points

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

### **Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

### **Core Units - 9 credit points**

RAD244 Radio Presenting and Producing - 6 points  
MURDOCH: S1-internal (quota of 40 places)

JOU245 Media Law and Ethics - 3 points  
MURDOCH: S1-internal

### **General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

### **Year 3 - 24 credit points**

#### **Research Skills Unit - 3 credit points**

BAR300 Bachelor of Arts Research Skills Unit - 3 points  
Not available this year

#### **Breadth Unit University-Wide - 3 credit points**

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

#### **Core Units - 9 credit points**

RAD301 Creative Radio - 3 points  
Not available this year

RAD374 Popular Music - 3 points  
MURDOCH: S2-internal

RAD316 Communication Projects - 3 points  
Not available this year

#### **General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

Students with good academic records with a course GPA of 2.5 or higher can apply to the Academic Chair to take:

ART325 Professional Placement - 3 points  
Not available this year

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## **RADIO HONOURS (BA(HONS))**

School of Arts

*Bachelor of Arts Honours (BA(Hons)) in Radio*

Course Codes: H1256

Duration: 1 year full-time or part-time equivalent

### **Availability:**

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop the ability for independent research. In Radio, students have the option of doing a radio based production and exegesis.

An Honours qualification of 2A is normally required for admission to higher research degree study.

### **Admission Requirements (Onshore):**

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Distinction average; subject

to availability of a suitable supervisor and approval by the Associate Dean (Learning and Teaching) of the School.

English competence.

### **Apply Online:**

Applications can be made online at  
<http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

## **Course Structure - 24 credit points**

### **Coursework - 12 credit points**

ART503 Honours Seminar in Arts - 3 points  
MURDOCH: S1-internal

ART604 Advanced Research Methods - 3 points  
MURDOCH: S1-internal, S1-external

RAD561 Honours Topic in Radio A - 3 points  
MURDOCH: S1-internal, S2-internal, Y-internal

RAD562 Honours Topic in Radio B - 3 points  
MURDOCH: S1-internal, S2-internal, Y-internal

### **Thesis - 12 credit points**

RAD569 Honours Thesis in Radio - 12 points  
MURDOCH: S1-internal, S2-internal, Y-internal

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## **RELIGION**

### **RELIGION (BA)**

School of Arts

*Bachelor of Arts (BA) in Religion*

Course Codes: B1316

Duration: 3 years full-time or part-time equivalent

### **Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

Religion is a major in the Bachelor of Arts that takes a multidisciplinary approach to the investigation and understanding of religion in human societies. The aim is to examine the cultural and historical complexities of religion across a range of societies and historical periods. This type of exploration of religious beliefs and practices does not seek to assess their merits or truthfulness, but rather seeks to understand their origins, internal dynamics, and impacts on cultures and societies.

In the Bachelor of Arts you will develop a broad understanding of your field and proficiency in producing written and oral arguments and creative artifacts in response to social, human and natural phenomena. You will also develop a critical appreciation of the perspectives of others. As an Arts graduate you will be able to think critically and creatively, apply knowledge and information, and communicate effectively. These are professional skills which are critical across a range of industries. You will also be able to pursue further study in the fields of social research, the humanities and/or the creative arts.

### **Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

### **Employment Prospects:**

A major in Religion provides an excellent range of critical, analytical skills. It also provides multicultural and multidisciplinary perspectives on vital aspects of human social structures and interactions. As such, a Religion major is an excellent basis for careers in public service, diplomatic service, education, non-profit

organisations, multi-faith chaplaincy, and museums.

**Recommended Double Majors:**

Asian Studies; Community Development; Community Development (OUA); History; Philosophy; Politics and International Studies; Security, Terrorism and Counterterrorism Studies; Security, Terrorism and Counterterrorism Studies (OUA)

**Course Structure - 72 credit points**

**Part I - 24 credit points**

**Year 1 - 24 credit points**

**Transition Unit - 3 credit points**

BAR100 Academic Learning Skills - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Breadth Unit for Degree - 3 credit points**

BAR150 Ideas and Identity - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Core Units - 6 credit points**

REL101 World Religions - 3 points  
MURDOCH: S2-internal, S2-external

SOC134 Introduction to Sociology - 3 points  
MURDOCH: S1-internal, S1-external

**General Electives - 12 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Part II - 48 credit points**

**Year 2 - 24 credit points**

**Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

**For Primary Major in Social and Developmental Psychology**

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
MURDOCH: S1-internal

**For All Other Primary Majors**

BAR200 Developing Research Skills and Methods - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

**Core Unit - 3 credit points**

REL202 Approaches to the Study of Religion - 3 points  
MURDOCH: S2-internal, S2-external

**Specified Electives - 6 credit points**

Select from the Specified Elective Unit List below.

**General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Year 3 - 24 credit points**

**Research Skills Unit - 3 credit points**

BAR300 Bachelor of Arts Research Skills Unit - 3 points

Not available this year

**Breadth Unit University-Wide - 3 credit points**

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

**Core Unit - 3 credit points**

REL311 Seminar in the Study of Religion - 3 points  
Not available this year

**Specified Electives - 6 credit points**

Select from the Specified Elective Unit List below.

**General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Specified Elective Unit List**

Select Specified Electives from the following units during Years 2 and 3, subject to individual unit prerequisites. At least two units must be at 300 level.

In addition, Special Topics are available from time to time and may be used as a Specified Elective. Students should consult the Academic Chair to confirm the offering in any particular year.

REL203 Death and the Afterlife in Ancient Egypt and Mesopotamia - 3 points  
MURDOCH: S2-internal, S2-external

REL306 World Religions in Historical Encounter - 3 points  
Not available this year

REL204 Introduction to the Bible - 3 points  
Not available this year

AIS241 Indigenous Spirituality and Well-Being - 3 points  
Not available this year

REL205 Mysteries, Magic, and Myths - 3 points  
MURDOCH: S1-internal, S1-external

AST352 Culture and Religion in Asia - 3 points  
Not available this year

REL312 Wisdom from the Ancient Near East - 3 points  
Not available this year

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**RELIGION HONOURS (BA(HONS))**

School of Arts

Bachelor of Arts Honours (BA(Hons)) in Religion

Course Codes: H1256

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop the ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

**Admission Requirements (Onshore):**

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Distinction average; subject to availability of a suitable supervisor and approval by the Associate Dean (Learning and Teaching) of the School.

English competence.

**Apply Online:**

Applications can be made online at  
<http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

**Course Structure - 24 credit points**

**Coursework - 12 credit points**

ART604 Advanced Research Methods - 3 points  
 MURDOCH: S1-internal, S1-external

ART503 Honours Seminar in Arts - 3 points  
 MURDOCH: S1-internal

REL561 Honours Topic in Religion A - 3 points  
 MURDOCH: S1-internal, S2-internal, Y-internal

REL562 Honours Topic in Religion B - 3 points  
 MURDOCH: S1-internal, S2-internal, Y-internal

**Thesis - 12 credit points**

REL569 Honours Thesis in Religion - 12 points  
 MURDOCH: S1-internal, S2-internal, Y-internal

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## SCREEN PRODUCTION

**See also:**

Media Studies

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### SCREEN PRODUCTION (BA)

School of Arts

*Bachelor of Arts (BA) in Screen Production*

Course Codes: B1316

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Some units only: Murdoch campus (external)

*Restriction: Enrolment is subject to restriction due to constraints on unit enrolments.*

This major trains students to be film-makers. Students will learn current screen industry practices and their theoretical principles, including script-writing, producing, directing, cinematography, digital video editing, sound recording and design, post-production digital compositing, and photographic skills. Units cover a mix of screen practice and image theory, and students can choose one, two, or all of three specific production pathways: drama, documentary, or creative. Students will engage in the film-making formats of documentary, drama, music-video, experimental, webisodes, television studio, and more.

In the Bachelor of Arts you will develop a broad understanding of your field and proficiency in producing written and oral arguments and creative artifacts in response to social, human and natural phenomena. You will also develop a critical appreciation of the perspectives of others. As an Arts graduate you will be able to think critically and creatively, apply knowledge and information, and communicate effectively. These are professional skills which are critical across a range of industries. You will also be able to pursue further study in the fields of social research, the humanities and/or the creative arts.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

**Employment Prospects:**

Graduates can expect to find employment in a wide range of fields,

from the creative industries (online, advertising, television, music, film) to management, administration, public policy, media research. Graduates will also have had ample opportunities to be familiar with a range of film and video crew functions such as screen-writing, producing, directing, editing, production design, digital compositing, lighting, cinematography, sound recording and design etc.

**Professional Recognition:**

Murdoch University is a member of the Australian Screen Production Education and Research Association.

**Recommended Double Majors:**

Communication and Media Studies; Journalism; Public Relations; Sound; Web Communication

**Excluded Minors:**

Screen Production

**Main Research Areas:**

Media studies; Australian indigenous media; creative industries; film; cinema; television; sound; new media; digital video; documentary; YouTube

**Quota:**

Some of the production units in Screen Production are subject to quota. In certain instances, and at the discretion of the Academic Chair, the Part I prerequisite may be waived for students with previous production experience.

**Course Structure - 72 credit points**

**Part I - 24 credit points**

**Year 1 - 24 credit points**

**Transition Unit - 3 credit points**

BAR100 Academic Learning Skills - 3 points  
 MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Breadth Unit for Degree - 3 credit points**

BAR150 Ideas and Identity - 3 points  
 MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Core Units - 6 credit points**

SCR100 Introduction to the Screen - 3 points  
 MURDOCH: S2-internal, S2-external

SCR101 Screen Production 1 - 3 points  
 MURDOCH: S1-internal (quota of 102 places)

**General Electives - 12 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Part II - 48 credit points**

**Year 2 - 24 credit points**

**Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

**For Primary Major in Social and Developmental Psychology**

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
 MURDOCH: S1-internal

**For All Other Primary Majors**

BAR200 Developing Research Skills and Methods - 3 points  
 MURDOCH: S1-internal, S1-external, S2-internal, S2-external



**Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

**Core Unit - 3 credit points**

SCR200 Writing for the Screen - 3 points  
MURDOCH: S1-internal

**Specified Electives - 6 credit points**

Select from the Specified Elective Unit List below.

**General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Year 3 - 24 credit points****Research Skills Unit - 3 credit points**

BAR300 Bachelor of Arts Research Skills Unit - 3 points  
Not available this year

**Breadth Unit University-Wide - 3 credit points**

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

**Core Units - 6 credit points**

SCR320 Advanced Screen Production - 3 points  
Not available this year

SCR348 Screen Text - 3 points  
Not available this year

**Specified Electives - 6 credit points**

Select from the Specified Elective Unit List below.

**General Electives - 6 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Specified Elective Unit List**

Select Specified Electives from the following units during Years 2 and 3, subject to individual unit prerequisites. At least two units must be at 300 level.

**Drama Pathway**

SCR201 Screen Production 2 - 3 points  
MURDOCH: S1-internal

SCR222 Production Development - 3 points  
MURDOCH: S2-internal

SCR312 Professional Development - 3 points  
Not available this year

OR

SCR303 Alternative Screens - 3 points  
Not available this year

**Documentary Pathway**

SCR300 Documentary - 3 points  
MURDOCH: S1-internal

SCR304 Documentary Production - 3 points  
MURDOCH: S2-internal

SCR312 Professional Development - 3 points  
Not available this year

OR

SCR303 Alternative Screens - 3 points  
Not available this year

**SCREEN PRODUCTION (BMEDIA)**

School of Arts

Bachelor of Media (BMedia) in Screen Production

Course Codes: B1234 B1234A

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal) (no new admissions from 2015 at this location for first-year commencing students)
- Murdoch University International Study Centre (Dubai, UAE) ['DUBAI-ISC'] (internal) (by formal agreement) (language of instruction: English)
- Some units only: Murdoch campus (external) (no new admissions from 2015 at this location for first-year commencing students)

Restriction: Enrolment is subject to restriction due to constraints on unit enrolments.

This major teaches students to be film-makers. Students will learn current screen industry practices, including directing, cinematography, digital video editing, sound recording and design, post-production digital compositing, and photographic skills. Units cover a mix of creative screen production and image theory. Students can choose to engage in the film-making formats of documentary, narrative drama, music-video, experimental film, webisode, television studio, outside broadcast, and more.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

**Employment Prospects:**

Graduates can expect to find employment in a wide range of fields, from the creative industries (online, advertising, television, music, film) to management, administration, public policy, media research. Graduates will also have had ample opportunities to be familiar with a range of film and video crew functions such as screen-writing, producing, directing, editing, production design, digital compositing, lighting, cinematography etc.

**Professional Recognition:**

Murdoch University is a member of the Australian Screen Production Education and Research Association.

**Main Research Areas:**

Media studies; Australian indigenous media; creative industries; film; television; sound, new media digital video.

**Quota:**

Many of the production units in Screen Production are subject to quota. Entry to Part II production units depends on students' performance (Distinction grade average) in the Part I production unit prerequisites. In certain instances, and at the discretion of the Academic Chair, the Part I prerequisite may be waived for students with previous production experience.

**Course Structure - 72 credit points****Part I - 24 credit points****Foundation Unit - 3 credit points**

From 2014, Foundation units will no longer be offered at the Murdoch Campus. Students who have not yet successfully completed a Foundation unit will be required to enrol in the following Transition Unit.

BAR100 Academic Learning Skills - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Students enrolled at the Dubai campus will enrol in:

FDN107 Next Life - 3 points  
DUBAI-ISC: TJD-internal, TMD-internal, TSD-internal

### **Core Units - 9 credit points**

MCC116 Introduction to the Screen - 3 points  
DUBAI-ISC: TJD-internal, TSD-internal

OR

SCR100 Introduction to the Screen - 3 points  
MURDOCH: S2-internal, S2-external

MCC128 Screen Production I - 3 points  
DUBAI-ISC: TMD-internal

OR

SCR101 Screen Production 1 - 3 points  
MURDOCH: S1-internal (quota of 102 places)

MCC124 Photography and Digital Imaging - 3 points  
DUBAI-ISC: TMD-internal

OR

PHO124 Photography 1 - 3 points  
MURDOCH: S1-internal (quota of 120 places), S2-internal (quota of 120 places)

OR

MCC108 Introduction to Communication and Media - 3 points  
DUBAI-ISC: TMD-internal  
(Recommended for students wishing to take the Screen Culture List in Part II)

OR

EGL122 Writing and Creativity - 3 points  
MURDOCH: S2-internal, S2-external  
(Recommended for students wishing to take the Creative List in Part II)

### **General Electives - 12 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

### **Part II - 48 credit points**

#### **Core Units - 12 credit points**

MCC226 Screen Production 2 - 4 points  
DUBAI-ISC: TMD-internal

OR

SCR201 Screen Production 2 - 3 points  
MURDOCH: S1-internal

The following unit is no longer available at the Murdoch campus - contact the Academic Chair for advice:  
MCC248 Screen Texts - 4 points

OR

SCR348 Screen Text - 3 points  
Not available this year

Students enrolled at the Dubai campus should enrol in:

MCC2481 Screen Texts - 4 points

DUBAI-ISC: TMD-internal

MCC333 Documentary - 4 points  
DUBAI-ISC: TMD-internal

OR

SCR300 Documentary - 3 points  
MURDOCH: S1-internal

### **Specified Electives - 12 credit points**

Select from one of the following lists.

#### **Creative List**

MCC353 Writing for the Screen - 4 points  
(no longer available)

OR

SCR200 Writing for the Screen - 3 points  
MURDOCH: S1-internal

MCC201 Professional Development in Screen Production - 4 points  
DUBAI-ISC: TJD-internal, TSD-internal

OR

SCR222 Production Development - 3 points  
MURDOCH: S2-internal

MCC302 Advanced Screen Production - 4 points  
MURDOCH: S2-internal (quota of 60 places)  
DUBAI-ISC: TMD-internal

#### **Industry List**

MCC201 Professional Development in Screen Production - 4 points

OR

SCR222 Professional Development in Screen Production - 3 points

MCC302 Advanced Screen Production - 4 points  
MURDOCH: S2-internal (quota of 60 places)  
DUBAI-ISC: TMD-internal

MCC312 Media Projects - 4 points  
MURDOCH: S1-internal, S2-internal  
DUBAI-ISC: TJD-internal, TSD-internal

#### **Screen Culture List**

The following unit is no longer available - contact the Academic Chair for advice:

MCC235 Television, Video and Popular Culture - 4 points

The following unit is no longer available - contact the Academic Chair for advice:

MCC231 Narrating the Nation: Media, Identity, Culture - 4 points

The following unit is no longer available - contact the Academic Chair for advice:

PHL214 Film and Philosophy - 4 points

#### **General Electives - 24 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

## SCREEN PRODUCTION HONOURS (BA(HONS))

School of Arts

Bachelor of Arts Honours (BA(Hons)) in Screen Production

Course Codes: H1256

Duration: 1 year full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop the ability for independent research. In Screen Production, students have the option of doing a screen production and exegesis.

An Honours qualification of 2A is normally required for admission to higher research degree study.

### Admission Requirements (Onshore):

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Distinction average; subject to availability of a suitable supervisor and approval by the Associate Dean (Learning and Teaching) of the School.

English competence.

### Apply Online:

Applications can be made online at  
<http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

## Course Structure - 24 credit points

### Coursework - 12 credit points

ART503 Honours Seminar in Arts - 3 points  
MURDOCH: S1-internal

ART604 Advanced Research Methods - 3 points  
MURDOCH: S1-internal, S1-external

SCR561 Honours Topic in Screen Production A - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, Y-internal

SCR562 Honours Topic in Screen Production B - 3 points  
MURDOCH: S1-internal, S2-internal, Y-internal

### Thesis - 12 credit points

SCR569 Honours Thesis in Screen Production - 12 points  
MURDOCH: S1-internal, S2-internal, Y-internal

## SECURITY, TERRORISM AND COUNTERTERRORISM

### SECURITY, TERRORISM AND COUNTERTERRORISM STUDIES (BA)

School of Management and Governance

Bachelor of Arts (BA) in Security, Terrorism and Counterterrorism Studies

Course Codes: B1316

Duration: 3 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

Defining security broadly to incorporate the protection of individuals as well as their values, rules, institutions and property from military and non-military sources, a major in STCT provides students with a critical understanding of the nature of security, how it is threatened by terrorism, and the ways in which

counter-terrorism measures may restore security. Explaining terrorism as a threat to security, multiple responses to sources of terrorism are suggested - including diplomacy, law-enforcement, development, capacity building and military force

In the Bachelor of Arts you will develop a broad understanding of your field and proficiency in producing written and oral arguments and creative artifacts in response to social, human and natural phenomena. You will also develop a critical appreciation of the perspectives of others. As an Arts graduate you will be able to think critically and creatively, apply knowledge and information, and communicate effectively. These are professional skills which are critical across a range of industries. You will also be able to pursue further study in the fields of social research, the humanities and/or the creative arts.

### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

### Special Requirements:

There may be a reduction in choice of units if completing this course in the external mode. Individual units may require access to specific nominated software.

### Employment Prospects:

Graduates of this course will be excellent candidates for recruitment into the intelligence services as well as in the Departments of Foreign Affairs and Trade, Defence, and Immigration and Citizenship, and the Attorney-General's Office. They will also be suited for employment in journalism, international business and corporate management. Employment opportunities will be enhanced for those who combine this degree with majors from areas like Asian Studies, Asian Languages, Law, Business, Information Technology or Science.

### Recommended Double Majors:

History; Politics and International Studies; Sociology

### Excluded Minors:

Security, Terrorism and Counterterrorism

### Languages and Writing Skills:

Security, Terrorism and Counterterrorism students are strongly encouraged to include a writing unit in their selection of a general elective at either Part I or Part II. It is also recommended that students consider studying a language other than English, with Indonesian, Japanese, Biblical Hebrew and New Testament Greek, all available at Murdoch.

## Course Structure - 72 credit points

### Part I - 24 credit points

#### Year 1 - 24 credit points

##### Transition Unit - 3 credit points

BAR100 Academic Learning Skills - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### Breadth Unit for Degree - 3 credit points

BAR150 Ideas and Identity - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### Core Units - 9 credit points

POL192 Perspectives on Security and Terrorism - 3 points  
MURDOCH: S1-internal, S1-external

POL161 Understanding International Politics - 3 points  
MURDOCH: S2-internal, S2-external

PHL131 Critical and Creative Thinking - 3 points  
MURDOCH: S1-internal, S1-external

**General Electives - 9 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Part II - 48 credit points****Year 2 - 24 credit points****Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

**For Primary Major in Social and Developmental Psychology**

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
MURDOCH: S1-internal

**For All Other Primary Majors**

BAR200 Developing Research Skills and Methods - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

**Core Units - 6 credit points**

POL234 Terrorism in a Globalised World - 3 points  
MURDOCH: S1-internal, S1-external

POL236 US Policies and Global Security - 3 points  
MURDOCH: S1-internal, S1-external

**Specified Electives - 3 credit points**

Select from the following:

POL237 Politics and Security in South Asia - 3 points  
Not available this year

POL224 International Relations Theory and Practice - 3 points  
MURDOCH: S1-internal, S1-external

**General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Year 3 - 24 credit points****Research Skills Unit - 3 credit points**

BAR300 Bachelor of Arts Research Skills Unit - 3 points  
Not available this year

**Breadth Unit University-Wide - 3 credit points**

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

**Core Units - 6 credit points**

POL344 Australian Foreign and Security Policy - 3 points  
Not available this year

POL345 International Security Studies - 3 points  
Not available this year

**Specified Electives - 3 credit points**

Select from the following:

POL338 Politics and Security in South-East Asia: Terrorists, Gangsters and the State - 3 points  
Not available this year

POL312 Regional Rivals: China and Its Neighbours - 3 points

Not available this year

**General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**SOCIOLOGY****SOCIOLOGY (BA)**

School of Arts

Bachelor of Arts (BA) in Sociology

Course Codes: B1316

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

Sociology helps us to grasp the connections between the personal and the social in a global context. It helps us understand how changes in the structure of society, the material world (eg. Technology), the economy, cultural systems of beliefs and values, and access to power, influence us as members of society. Sociology is particularly interested in class, gender, ethnicity, and religion. Sociological knowledge and skills are increasingly important in a wide range of professions and occupations, and provide a broader perspective for understanding the world.

In the Bachelor of Arts you will develop a broad understanding of your field and proficiency in producing written and oral arguments and creative artifacts in response to social, human and natural phenomena. You will also develop a critical appreciation of the perspectives of others. As an Arts graduate you will be able to think critically and creatively, apply knowledge and information, and communicate effectively. These are professional skills which are critical across a range of industries. You will also be able to pursue further study in the fields of social research, the humanities and/or the creative arts.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

**Special Requirements:**

There may be a reduction in choice of units if completing this course in the external mode.

**Employment Prospects:**

Skills in critical thinking, social research, policy analysis and project evaluation are crucial in numerous occupations. Sociology graduates are well suited to careers in local, state and federal public service, and in welfare, community, industrial and commercial organisations.

**Recommended Double Majors:**

Community Development; Community Development (OUA); Politics and International Studies; Social and Developmental Psychology

**Main Research Areas:**

Social change and social equity.

**Languages and Writing Skills:**

Sociology students are strongly encouraged to include a writing unit in their selection of a general elective at either Part I or Part II. It is also recommended that students consider studying a language other than English, with Indonesian, Japanese, Biblical Hebrew and New Testament Greek all available at Murdoch.

**Course Structure - 72 credit points****Part I - 24 credit points****Year 1 - 24 credit points****Transition Unit - 3 credit points**

BAR100 Academic Learning Skills - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Breadth Unit for Degree - 3 credit points**

BAR150 Ideas and Identity - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Core Units - 6 credit points**

SOC134 Introduction to Sociology - 3 points  
MURDOCH: S1-internal, S1-external

COD125 Introduction to Community Development - 3 points  
MURDOCH: S1-internal, S1-external

**General Electives - 12 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Part II - 48 credit points****Year 2 - 24 credit points****Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

**For Primary Major in Social and Developmental Psychology**

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
MURDOCH: S1-internal

**For All Other Primary Majors**

BAR200 Developing Research Skills and Methods - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

**Core Units - 9 credit points**

SOC205 Sociology and Everyday Life - 3 points  
MURDOCH: S2-internal, S2-external

SOC203 Australian Youth Culture - 3 points  
MURDOCH: S1-internal, S1-external

SOC207 Classical Sociological Theory - 3 points  
MURDOCH: S1-internal, S1-external

**General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Year 3 - 24 credit points****Research Skills Unit - 3 credit points**

BAR300 Bachelor of Arts Research Skills Unit - 3 points  
Not available this year

**Breadth Unit University-Wide - 3 credit points**

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

**Core Units - 9 credit points**

SOC308 Contemporary Sociological Theory - 3 points  
Not available this year

AST312 Anthropology, Society and Culture - 3 points  
Not available this year

SOC313 Health and Society - 3 points  
Not available this year

**General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**SOCIOLOGY HONOURS (BA(HONS))**

School of Arts

Bachelor of Arts Honours (BA(Hons)) in Sociology

Course Codes: H1256

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

**Admission Requirements (Onshore):**

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Distinction average; subject to availability of a suitable supervisor and approval by the Associate Dean (Learning and Teaching) of the School.

English competence.

**Apply Online:**

Applications can be made online at  
<http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

**Course Structure - 24 credit points****Coursework - 12 credit points**

ART604 Advanced Research Methods - 3 points  
MURDOCH: S1-internal, S1-external

ART503 Honours Seminar in Arts - 3 points  
MURDOCH: S1-internal

SOC561 Honours Topic in Sociology A - 3 points  
MURDOCH: S1-internal, S2-internal, Y-internal

SOC562 Honours Topic in Sociology B - 3 points  
MURDOCH: S1-internal, S2-internal, Y-internal

**Thesis - 12 credit points**

SOC569 Honours Thesis in Sociology - 12 points  
MURDOCH: S1-internal, S2-internal

## SOUND

### SOUND (BA)

School of Arts

Bachelor of Arts (BA) in Sound

Course Codes: B1316

Duration: 3 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Some units only: Murdoch campus (external)

Restriction: Enrolment is subject to restriction due to constraints on unit enrolments.

Sound incorporates the way sound is used both in media and in everyday life. In music recording, film sound, game sound, and industrial sound design professionals create the recognisable sounds of the modern world and create new sounds.

This major focuses on the practice of contemporary sound design and production, combining a mix of theory and production in areas such as popular music, sound for film and games, studio recording, music technology, live sound and sound design.

In the Bachelor of Arts you will develop a broad understanding of your field and proficiency in producing written and oral arguments and creative artifacts in response to social, human and natural phenomena. You will also develop a critical appreciation of the perspectives of others. As an Arts graduate you will be able to think critically and creatively, apply knowledge and information, and communicate effectively. These are professional skills which are critical across a range of industries. You will also be able to pursue further study in the fields of social research, the humanities and/or the creative arts.

#### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

#### Special Requirements:

This course is only available to internal students at Murdoch campus since it is a production-based course which utilises the facilities at this campus.

#### Employment Prospects:

Music recording, editing, mixing and remixing; film and television sound recording, sound editing, sound mixing and sound design; sound design for interactive media and theatre; industrial sound design.

#### Professional Recognition:

Murdoch University is a member of the Australian Screen Production Education and Research Association.

#### Recommended Double Majors:

Radio; Screen Production

#### Excluded Minors:

Sound Production; Sound Studies

#### Main Research Areas:

Sound for film and television, sound design, music technology, recording studios, sound in interactive media.

### Course Structure - 72 credit points

#### Part I - 24 credit points

##### Year 1 - 24 credit points

##### Transition Unit - 3 credit points

BAR100 Academic Learning Skills - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

#### Breadth Unit for Degree - 3 credit points

BAR150 Ideas and Identity - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

#### Core Units - 9 credit points

RAD105 Introduction to Radio - 3 points  
MURDOCH: S2-internal (quota of 80 places)

SOU169 Introduction to Sound Studies - 3 points  
MURDOCH: S1-internal

SOU101 Introduction to Audio Production - 3 points  
MURDOCH: S2-internal (quota of 90 places)

#### General Electives - 9 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

### Part II - 48 credit points

#### Year 2 - 24 credit points

##### Research Skills Unit - 3 credit points

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

##### For Primary Major in Social and Developmental Psychology

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
MURDOCH: S1-internal

##### For All Other Primary Majors

BAR200 Developing Research Skills and Methods - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

#### Breadth Unit University-Wide - 3 credit points

Select one 200-level University Breadth Unit.

#### Core Units - 9 credit points

SOU268 Music Technology - 3 points  
MURDOCH: S1-internal (quota of 60 places)

SOU214 Sound Production - 3 points  
MURDOCH: S2-internal (quota of 60 places)

RAD374 Popular Music - 3 points  
MURDOCH: S2-internal

#### General Electives - 9 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

#### Year 3 - 24 credit points

##### Research Skills Unit - 3 credit points

BAR300 Bachelor of Arts Research Skills Unit - 3 points  
Not available this year

#### Breadth Unit University-Wide - 3 credit points

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

#### Core Units - 9 credit points

SOU376 Sound Design - 3 points  
Not available this year

SOU377 Soundtrack - 3 points  
Not available this year

SOU378 Sound Projects - 3 points  
Not available this year

### General Electives - 9 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

Students with a good academic record with a course GPA of 2.5 or higher can apply to the Academic Chair to take:

ART325 Professional Placement - 3 points  
Not available this year

## SOUND HONOURS (BA(HONS))

School of Arts

Bachelor of Arts Honours (BA(Hons)) in Sound

Course Codes: H1256

Duration: 1 year full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop ability for independent research. In Sound, students have the option of doing a sound based production and exegesis.

An Honours qualification of 2A is normally required for admission to higher research degree study.

### Admission Requirements (Onshore):

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Distinction average; subject to availability of a suitable supervisor and approval by the Associate Dean (Learning and Teaching) of the School.

English competence.

### Apply Online:

Applications can be made online at  
<http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

## Course Structure - 24 credit points

### Coursework - 12 credit points

ART503 Honours Seminar in Arts - 3 points  
MURDOCH: S1-internal

ART604 Advanced Research Methods - 3 points  
MURDOCH: S1-internal, S1-external

SOU561 Honours Topic in Sound A - 3 points  
MURDOCH: S1-internal, S2-internal, Y-internal

SOU562 Honours Topic in Sound B - 3 points  
MURDOCH: S1-internal, S2-internal, Y-internal

### Thesis - 12 credit points

SOU569 Honours Thesis in Sound - 12 points  
MURDOCH: S1-internal, S2-internal, Y-internal

## SPORTS SCIENCE

### See also:

Chiropractic  
Exercise Physiology

## MOVEMENT SCIENCE (BSC)

School of Psychology and Exercise Science

Bachelor of Science (BSc) in Movement Science

Course Codes: B1317

Duration: 3 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)

Sport and in particular Exercise science is a growing discipline within Australia and worldwide. Movement science focuses on the sub-disciplines of biomechanics and motor control. Students will develop knowledge and skills that will allow them to assess and improve the movement of both athletes and individuals with neuromuscular skeletal diseases.

Murdoch's Bachelor of Science is a flexible degree which gives you the opportunity to build deep understanding and practical experience as well as to supplement your studies by engaging with industry and the community on relevant problems. You can even undertake studies through another discipline to broaden your understanding of the way in which science operates in relation to social, business, health and policy environments.

### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

### Special Requirements:

A Working with Children Check may be required for some practical placements.

Students who are undertaking Sport and Health Science as a second major will complete EXS309 Exercise Science Practicum in place of the third year breadth unit.

### Employment Prospects:

The range of workplace settings include: university sport science labs; academies of sport; institutes of sport; professional and amateur sporting clubs

### Professional Accreditation:

Students who wish to register with Exercise and Sports Science Australia (ESSA) as an Exercise Scientist or enter into the BSc (Exercise Physiology) to become an Accredited Exercise Physiologist will be required to take a second major in Sport and Health Science.

### Recommended Double Majors:

Sport and Health Science

## Course Structure - 72 credit points

### Part I - 24 credit points

#### Year 1 - 24 credit points

##### Transition Unit - 3 credit points

BSC100 Building Blocks for Science Students - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### Breadth Unit for Degree - 3 credit points

BSC150 What is Science? - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

### Core Units - 9 credit points

4

EXS124 Introduction to Sports Science - 3 points  
MURDOCH: S1-internal

EXS103 Strength and Resistance Training - 3 points  
MURDOCH: S2-internal

BMS101 Introduction to the Human Body - 3 points  
MURDOCH: S1-internal

#### General Electives - 9 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

### Part II - 48 credit points

#### Year 2 - 24 credit points

##### Research Skills Unit - 3 credit points

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

##### For Primary Major in Cognitive Neuroscience and Health Psychology

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
MURDOCH: S1-internal

##### For Primary Majors in the Health Sciences, as listed

Primary Major in Chiropractic Science, Exercise Physiology, Movement Science, or Sport and Health Science:

BSC206 Introduction to Research Methodology and Evidence Based Practice - 3 points  
MURDOCH: S2-internal

##### For Primary Majors in Information Technology

BSC203 Introduction to ICT Research Methods - 3 points  
MURDOCH: S1-internal, S1-external

##### For All Other Primary Majors

BSC200 Research in the Physical and Life Sciences - 3 points  
MURDOCH: S1-internal, S1-external

##### Breadth Unit University-Wide - 3 credit points

Select one 200-level University Breadth Unit.

##### Core Units - 9 credit points

EXS204 Biomechanics I - 3 points  
MURDOCH: S2-internal

EXS206 Functional Human Anatomy - 3 points  
Not available this year

EXS205 Acquisition of Skills and Motor Control - 3 points  
MURDOCH: S2-internal

##### General Electives - 9 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

#### Year 3 - 24 credit points

##### Research Skills Unit - 3 credit points

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

##### For Primary Majors in Information Technology

BSC301 Applied Research Skills in ICT - 3 points  
Not available this year

##### For All Other Primary Majors

BSC300 Bachelor of Science Research Skills Unit - 3 points  
Not available this year

##### Breadth Unit University-Wide - 3 credit points

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

##### Core Units - 9 credit points

EXS306 Physical Assessment and Rehabilitation - 3 points  
Not available this year

EXS305 Advanced Skills and Motor Control - 3 points  
Not available this year

EXS304 Biomechanics II - 3 points  
Not available this year

Students who wish to register with Exercise and Sports Science Australia as an Exercise Scientist or enter into the BSc (Exercise Physiology) to become an Accredited Exercise Physiologist will be required to take a second major in Sport and Health Science, and enrol in EXS309 Exercise Science Practicum - 3 points in lieu of the 3rd Year University Wide Breadth unit.

##### General Electives - 9 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

## SPORT AND HEALTH SCIENCE (BSC)

School of Psychology and Exercise Science

Bachelor of Science (BSc) in Sport and Health Science

Course Codes: B1317

Duration: 3 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)

Sport and in particular Exercise Science is a growing discipline within Australia and worldwide. The Sport and Health Science major focuses on the sub-disciplines of Exercise Physiology and Sports Psychology. Students will develop knowledge and skills that will enable them to prescribe exercise to healthy populations, including elite athletes, while understanding the psychological background to exercise and sport.

Murdoch's Bachelor of Science is a flexible degree which gives you the opportunity to build deep understanding and practical experience as well as to supplement your studies by engaging with industry and the community on relevant problems. You can even undertake studies through another discipline to broaden your understanding of the way in which science operates in relation to social, business, health and policy environments.

#### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

#### Special Requirements:

A Working with Children Check will be required for some practical placements.

Students who are completing Movement Science as a second major will complete EXS309 Exercise Science Practicum in place of the third year breadth unit.

#### Employment Prospects:

The range of workplace settings include: University sport science



labs; academies of sport; institutes of sport; professional and amateur sporting clubs; and fitness clubs.

#### **Professional Accreditation:**

Students who wish to register with Exercise and Sports Science Australia as an Exercise Scientist or enter into the BSc (Exercise Physiology) to become an Accredited Exercise Physiologist will be required to take a second major in Movement Science.

#### **Main Research Areas:**

Sports Science

#### **Accreditation and Registration:**

No accreditation requirements.

International applicants will need to provide proof of having met an overall IELTS score of at least 6. Please note that IELTS scores are valid for two years only. It is the student's responsibility to arrange for a current IELTS prior to application for registration with the NBWA. Results from tests completed more than two years prior to application for registration will not be accepted.

## **Course Structure - 72 credit points**

### **Part I - 24 credit points**

#### **Year 1 - 24 credit points**

##### **Transition Unit - 3 credit points**

BSC100 Building Blocks for Science Students - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### **Breadth Unit for Degree - 3 credit points**

BSC150 What is Science? - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### **Core Units - 9 credit points**

EXS102 Human Physiology - 3 points  
MURDOCH: S2-internal

EXS124 Introduction to Sports Science - 3 points  
MURDOCH: S1-internal

PSY172 Introduction to Psychological Health and Wellbeing - 3 points  
MURDOCH: S2-internal

##### **General Electives - 9 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

### **Part II - 48 credit points**

#### **Year 2 - 24 credit points**

##### **Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

##### **For Primary Major in Cognitive Neuroscience and Health Psychology**

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
MURDOCH: S1-internal

##### **For Primary Majors in the Health Sciences, as listed**

Primary Major in Chiropractic Science, Exercise Physiology, Movement Science, or Sport and Health Science:

BSC206 Introduction to Research Methodology and Evidence Based Practice - 3 points  
MURDOCH: S2-internal

#### **For Primary Majors in Information Technology**

BSC203 Introduction to ICT Research Methods - 3 points  
MURDOCH: S1-internal, S1-external

#### **For All Other Primary Majors**

BSC200 Research in the Physical and Life Sciences - 3 points  
MURDOCH: S1-internal, S1-external

#### **Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

#### **Core Units - 9 credit points**

EXS201 Sports Psychology - 3 points  
MURDOCH: S1-internal

EXS202 Exercise Physiology I - 3 points  
MURDOCH: S1-internal

EXS203 Health, Fitness and Performance Assessment - 3 points  
MURDOCH: S1-internal

#### **General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

#### **Year 3 - 24 credit points**

##### **Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

##### **For Primary Majors in Information Technology**

BSC301 Applied Research Skills in ICT - 3 points  
Not available this year

##### **For All Other Primary Majors**

BSC300 Bachelor of Science Research Skills Unit - 3 points  
Not available this year

##### **Breadth Unit University-Wide - 3 credit points**

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

##### **Core Units - 9 credit points**

EXS302 Exercise Physiology II - 3 points  
MURDOCH: S2-internal

EXS301 Advanced Sports Psychology - 3 points  
Not available this year

EXS303 Exercise, Programming and Prescription - 3 points  
Not available this year

Students who wish to register with Exercise and Sport Science Australia or enter into the BSc (Exercise Physiology) to become an Accredited Exercise Physiologist will be required to take a second major in Movement Science, and enrol in EXS309 Exercise Science Practicum - 3 points in lieu of the 3rd Year University Wide Breadth unit.

##### **General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

## MOVEMENT SCIENCE HONOURS (BSC(HONS))

School of Psychology and Exercise Science

Bachelor of Science Honours (BSc(Hons)) in Movement Science

Course Codes: H1257

Duration: 1 year full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

The aim of Honours is to extend the student's grasp of the principles and practice of the subject, and to develop ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

### Admission Requirements (Onshore):

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Credit average; subject to availability of a suitable supervisor and approval by the Dean of School.

English competence.

### Apply Online:

Applications can be made online at <http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

### Course Structure - 24 credit points

#### Coursework - 9 credit points

EXS691 Research Methods in Exercise and Rehabilitation Sciences - 9 points

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

#### Thesis - 15 credit points

EXS594 Honours Thesis in Movement Science - 15 points

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

## SPORT AND HEALTH SCIENCE HONOURS (BSC(HONS))

School of Psychology and Exercise Science

Bachelor of Science Honours (BSc(Hons)) in Sport and Health Science

Course Codes: H1257

Duration: 1 year full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

The aim of Honours is to extend the student's grasp of the principles and practice of the subject, and to develop ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

### Admission Requirements (Onshore):

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Credit average; subject to availability of a suitable supervisor and approval by the Dean of School.

English competence.

### Apply Online:

Applications can be made online at <http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

### Course Structure - 24 credit points

#### Coursework - 9 credit points

EXS691 Research Methods in Exercise and Rehabilitation Sciences - 9 points

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

#### Thesis - 15 credit points

EXS593 Honours Thesis in Sports and Health Science - 15 points

MURDOCH: H-internal, H-external, Y-internal, Y-external

## SUSTAINABILITY

### SUSTAINABLE DEVELOPMENT (BA)

School of Management and Governance

Bachelor of Arts (BA) in Sustainable Development

Course Codes: B1316

Duration: 3 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)

This course aims to train the next generation of sustainability leaders for world-changing work in Australia and overseas. Students explore the environmental, economic, social and cultural dimensions of sustainability, and develop a wide range of much-needed green skills. Areas covered include urban and rural sustainability, sustainability ethics and economics, and sustainable lifestyles and behaviour change. The emphasis is on giving students the sustainability expertise needed to 'make a difference' within communities and regions and at the global level.

In the Bachelor of Arts you will develop a broad understanding of your field and proficiency in producing written and oral arguments and creative artifacts in response to social, human and natural phenomena. You will also develop a critical appreciation of the perspectives of others. As an Arts graduate you will be able to think critically and creatively, apply knowledge and information, and communicate effectively. These are professional skills which are critical across a range of industries. You will also be able to pursue further study in the fields of social research, the humanities and/or the creative arts.

### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

### Employment Prospects:

There are increasing employment opportunities for graduates who are knowledgeable, skilled and passionate about sustainable development, at federal, state and local government, in non-government organisations, international agencies, corporations, local business and the media.

### Recommended Double Majors:

Community Development; Community Development (OUA); International Aid and Development; International Aid and Development (OUA); Politics and International Studies

### Excluded Minors:

Environmental Issues

### Course Structure - 72 credit points

**Part I - 24 credit points****Year 1 - 24 credit points****Transition Unit - 3 credit points**

BAR100 Academic Learning Skills - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Breadth Unit for Degree - 3 credit points**

BAR150 Ideas and Identity - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Core Units - 6 credit points**

SUS100 Introduction to Sustainable Development - 3 points  
MURDOCH: S2-internal, S2-external

COD125 Introduction to Community Development - 3 points  
MURDOCH: S1-internal, S1-external

**General Electives - 12 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Part II - 48 credit points****Year 2 - 24 credit points****Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

**For Primary Major in Social and Developmental Psychology**

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
MURDOCH: S1-internal

**For All Other Primary Majors**

BAR200 Developing Research Skills and Methods - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

**Core Units - 9 credit points**

SUS203 Sustainability, Ecology and Communities - 3 points  
MURDOCH: S1-internal, S1-external

SUS207 Overseas Aid and International Development - 3 points  
MURDOCH: S1-internal, S1-external

ENV245 Global and Regional Sustainability - 3 points  
MURDOCH: S2-internal, S2-external

**General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Year 3 - 24 credit points****Research Skills Unit - 3 credit points**

BAR300 Bachelor of Arts Research Skills Unit - 3 points  
Not available this year

**Breadth Unit University-Wide - 3 credit points**

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

**Core Units - 9 credit points**

SUS305 Economics of Sustainability - 3 points

Not available this year

SUS310 Sustainable Urban Communities - 3 points  
Not available this year

SUS301 Sustainable Development Practice - 3 points  
Not available this year

**General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**SUSTAINABLE DEVELOPMENT HONOURS (BA(HONS))**

School of Management and Governance

Bachelor of Arts Honours (BA(Hons)) in Sustainable Development

Course Codes: H1256

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

**Admission Requirements (Onshore):**

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Distinction average; subject to availability of a suitable supervisor and approval by the Associate Dean (Learning and Teaching) of the School.

English competence.

**Apply Online:**

Applications can be made online at  
<http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

**Course Structure - 24 credit points****Coursework - 12 credit points****Core Units - 9 credit points**

POL501 Honours Research Seminar - 6 points  
MURDOCH: S1-internal, S1-external

SUS500 Honours Topic in Sustainable Development - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external

**Elective Units - 3 credit points**

Select from the following:

SUS512 Sustainability, Ecology and Communities - 3 points  
MURDOCH: S1-internal, S1-external

SUS523 Cities and Sustainability - 3 points  
MURDOCH: S1-internal, S1-external

COD505 Mining, Communities and Sustainability - 3 points  
MURDOCH: S2-internal, S2-external

Or another 500-level unit chosen in consultation with the Honours supervisor and Academic Chair.

**Thesis - 12 credit points**

SUS501 Honours Thesis in Sustainable Development - 12 points

MURDOCH: S1-internal, S2-internal

## THEATRE AND DRAMA

### THEATRE AND DRAMA (BA)

School of Arts

Bachelor of Arts (BA) in Theatre and Drama

Course Codes: B1316

Duration: 3 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Some units only: Murdoch campus (external)

Theatre and Drama introduces students to a range of important theatrical and dramatic texts. It also provides students with the opportunity to develop skills in reading and responding to this material both creatively and critically. Students will develop a thorough understanding of the role and function of dramatic work and performance in a range of different social and cultural contexts. They will also learn about the important theoretical and philosophical frameworks supporting these art forms, and will be guided in the development of skills in acting, writing and production. Upon completion of the major, graduates will be skilled and confident in their ability to undertake critical and creative work in the fields of theatre production and performance.

In the Bachelor of Arts you will develop a broad understanding of your field and proficiency in producing written and oral arguments and creative artifacts in response to social, human and natural phenomena. You will also develop a critical appreciation of the perspectives of others. As an Arts graduate you will be able to think critically and creatively, apply knowledge and information, and communicate effectively. These are professional skills which are critical across a range of industries. You will also be able to pursue further study in the fields of social research, the humanities and/or the creative arts.

#### Admission Requirements (Onshore):

As per normal admission requirements.

English competence.

#### Special Requirements:

A Working with Children Check will be required for some practical components.

#### Employment Prospects:

Graduates may choose to pursue a career as a producer/director, actor, stage manager or scriptwriter, find jobs in the television and film industry or decide to enter the teaching profession. Some potential employers may be theatre/drama companies and radio/television networks.

#### Recommended Double Majors:

English and Creative Writing; Graphic Design

#### Excluded Minors:

Theatre and Drama

#### Main Research Areas:

Performance praxis; writing for the stage; contemporary acting theories; performance art; installation works; dance; design; directing; lighting and sound design; dramaturgy; and production and stage management.

#### On-Campus Study Requirement:

This course includes a number of compulsory on-campus components. For further information see individual unit descriptions or contact the School Office.

## Course Structure - 72 credit points

### Part I - 24 credit points

#### Year 1 - 24 credit points

##### Transition Unit - 3 credit points

BAR100 Academic Learning Skills - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### Breadth Unit for Degree - 3 credit points

BAR150 Ideas and Identity - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### Core Units - 6 credit points

EGL106 Drama, Theatre and Performance - 3 points  
MURDOCH: S2-internal

EGL121 Turning Points in Literature - 3 points  
MURDOCH: S1-internal, S1-external

##### General Electives - 12 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

### Part II - 48 credit points

#### Year 2 - 24 credit points

##### Research Skills Unit - 3 credit points

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

##### For Primary Major in Social and Developmental Psychology

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
MURDOCH: S1-internal

##### For All Other Primary Majors

BAR200 Developing Research Skills and Methods - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### Breadth Unit University-Wide - 3 credit points

Select one 200-level University Breadth Unit.

##### Core Units - 9 credit points

EGL236 Performance and Creative Arts - 3 points  
MURDOCH: S2-internal

EGL239 Acting and Production I - 3 points  
MURDOCH: S1-internal

EGL240 Children's Theatre - 3 points  
MURDOCH: S1-internal

##### General Electives - 9 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

#### Year 3 - 24 credit points

##### Research Skills Unit - 3 credit points

BAR300 Bachelor of Arts Research Skills Unit - 3 points  
Not available this year

##### Breadth Unit University-Wide - 3 credit points

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

**Core Unit - 3 credit points**

EGL349 Contemporary Theatre Practice - 3 points  
Not available this year

**Specified Electives - 6 credit points**

Select from the Specified Elective Unit List below.

**General Electives - 9 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Specified Elective Unit List**

Select from the following:

EGL348 Shakespeare - 3 points  
Not available this year

EGL342 Comparative Theatre - 3 points  
Not available this year

EDN304 Engaging Communities through Drama - 3 points  
MURDOCH: S2-internal

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**THEATRE AND DRAMA HONOURS  
(BA(HONS))**

School of Arts

*Bachelor of Arts Honours (BA(Hons)) in Theatre and Drama*

Course Codes: H1256

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

The aim of Honours is to extend student's grasp of the theoretical, conceptual and practical framework of their discipline, and to develop skills for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

**Admission Requirements (Onshore):**

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Distinction average; subject to availability of a suitable supervisor and approval by the Associate Dean (Learning and Teaching) of the School.

English competence.

**Apply Online:**

Applications can be made online at  
<http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

**Course Structure - 24 credit points****Coursework - 12 credit points**

ART604 Advanced Research Methods - 3 points  
MURDOCH: S1-internal, S1-external

ART503 Honours Seminar in Arts - 3 points  
MURDOCH: S1-internal

EGL569 Honours Dissertation Preliminary - 3 points  
MURDOCH: S1-internal, S2-internal, Y-internal

EGL581 Honours Topic in Theatre and Drama - 3 points  
MURDOCH: S1-internal, S2-internal

**Thesis - 12 credit points**

EGL589 Honours Thesis in Theatre and Drama - 12 points

MURDOCH: S1-internal, S2-internal

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**TOURISM AND EVENTS**


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**TOURISM AND EVENTS (BA)**

School of Arts

*Bachelor of Arts (BA) in Tourism and Events*

Course Codes: B1316

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Some units only: Murdoch campus (external)

Tourism and events, including festivals, are important social, political and economic phenomena in many parts of the world. The uniqueness of this degree is that it is offered from within the Social Sciences and is developed within the framework of tourism for sustainable development. Graduates of this degree will enter the workforce with knowledge of the wider tourism system, policy issues relating to tourism and events, and a wide understanding of the nature of socio/cultural, environmental and economic impacts of tourism and events.

In the Bachelor of Arts you will develop a broad understanding of your field and proficiency in producing written and oral arguments and creative artifacts in response to social, human and natural phenomena. You will also develop a critical appreciation of the perspectives of others. As an Arts graduate you will be able to think critically and creatively, apply knowledge and information, and communicate effectively. These are professional skills which are critical across a range of industries. You will also be able to pursue further study in the fields of social research, the humanities and/or the creative arts.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

**Admission Requirements (Offshore):**

As per normal undergraduate admission requirements.

English competence.

**Employment Prospects:**

Tourism and hospitality industry as tourism managers, events coordinators, event planners; local government in community development through tourism management and event planning, promotion and organising; state and federal government in tourism management and event development, promotion and evaluation.

**Recommended Double Majors:**

Public Relations; Sociology; Sustainable Development; Sustainable Development (OUA)

**Excluded Minors:**

Events; Tourism

**Course Structure - 72 credit points****Part I - 24 credit points****Year 1 - 24 credit points****Transition Unit - 3 credit points**

BAR100 Academic Learning Skills - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Breadth Unit for Degree - 3 credit points**

BAR150 Ideas and Identity - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Core Units - 6 credit points**

TOU101 Introduction to Tourism Systems - 3 points  
MURDOCH: S1-internal, S1-external

TOU102 Travel and Tourism in Society - 3 points  
MURDOCH: S2-internal, S2-external  
KAPLAN-SGP: TMA-internal

**General Electives - 12 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Part II - 48 credit points****Year 2 - 24 credit points****Research Skills Unit - 3 credit points**

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

**For Primary Major in Social and Developmental Psychology**

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
MURDOCH: S1-internal

**For All Other Primary Majors**

BAR200 Developing Research Skills and Methods - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Breadth Unit University-Wide - 3 credit points**

Select one 200-level University Breadth Unit.

**Core Units - 6 credit points**

TOU221 Sustainable Tourism - 3 points  
MURDOCH: S1-internal, S1-external

POL246 Public Policy Analysis - 3 points  
MURDOCH: S2-internal, S2-external

**General Electives - 12 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Year 3 - 24 credit points****Research Skills Unit - 3 credit points**

BAR300 Bachelor of Arts Research Skills Unit - 3 points  
Not available this year

**Breadth Unit University-Wide - 3 credit points**

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

**Core Units - 6 credit points**

TOU323 Destination Management - 3 points  
Not available this year

TOU324 Events, Policy and Evaluation - 3 points  
Not available this year

**Specified Electives - 6 credit points**

Select from the following units, with at least 3 points at 300 level.

TOU230 Cultural Tourism Interpretation - 3 points  
MURDOCH: S2-internal, S2-external

TOU231 Indigenous Tourism Issues - 3 points  
Not available this year

ENV278 Nature-Based Tourism - 3 points  
MURDOCH: S1-internal, S1-external

TOU232 Festivals and Events - 3 points  
MURDOCH: S1-internal, S1-external

TOU322 Tourism Project - 3 points  
Not available this year

TOU305 Events Internship - 6 points  
Not available this year

**General Electives - 6 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**TOURISM AND EVENTS MANAGEMENT (BA)**

School of Arts

Bachelor of Arts (BA) in Tourism and Events Management

Course Codes: B1302

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal) (not available to new admissions at this location)
- Kaplan Higher Education Institute and Kaplan Higher Education Academy (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this this will be replaced by a Bachelor of Arts in Tourism and Events)
- Some units only: Murdoch campus (external) (not available to new admissions at this location)

Tourism and events, including festivals, are important social, political and economic phenomena in many parts of the world. The uniqueness of this degree is that it is offered from within the Social Sciences and is developed within the framework of tourism for sustainable development. Graduates of this degree will enter the workforce with knowledge of the wider tourism system, policy issues relating to tourism and events, and a wide understanding of the nature of socio/cultural, environmental and economic impacts of tourism and events.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements

**Admission Requirements (Offshore):**

As per normal undergraduate admission requirements.

English competence.

**Employment Prospects:**

Tourism and hospitality industry as tourism managers, events coordinators, event planners; local government in community development through tourism management and event planning, promotion and organising; state and federal government in tourism management and event development, promotion and evaluation.

**Course Structure - 72 credit points****Part I - 24 credit points****Foundation Unit - 3 credit points**

From 2014, Foundation units will no longer be offered. Students who have not yet successfully completed a Foundation unit will be required to enrol in the following Transition Unit.

BAR100 Academic Learning Skills - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Core Units - 9 credit points**

TOU101 Introduction to Tourism Systems - 3 points  
MURDOCH: S1-internal, S1-external

TOU102 Travel and Tourism in Society - 3 points  
MURDOCH: S2-internal, S2-external  
KAPLAN-SGP: TMA-internal

SSH100 Ideas in Action - 3 points  
Not available this year

OR

BAR150 Ideas and Identity - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**General Electives - 12 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

**Part II - 48 credit points****Core Units - 12 credit points**

The following unit is no longer available - contact the Academic Chair for advice:

SOC222 Social Research Methods - 4 points

TOU201 Sustainable Tourism - 4 points  
KAPLAN-SGP: TMA-internal

OR

TOU221 Sustainable Tourism - 3 points  
MURDOCH: S1-internal, S1-external

POL330 Public Policy Analysis - 4 points  
KAPLAN-SGP: TJA-internal, TSA-internal

**Specified Electives - 12 credit points**

Select from the following:

TOU210 Cultural Tourism Interpretation - 4 points  
(no longer available)

OR

TOU230 Cultural Tourism Interpretation - 3 points  
MURDOCH: S2-internal, S2-external

TOU211 Indigenous Tourism Issues - 4 points  
(no longer available)

OR

TOU231 Indigenous Tourism Issues - 3 points  
Not available this year

TOU212 Festivals and Events - 4 points  
KAPLAN-SGP: TJA-internal, TSA-internal

OR

TOU232 Festivals and Events - 3 points  
MURDOCH: S1-internal, S1-external

ENV279 Nature-Based Tourism - 4 points  
(no longer available)

OR

ENV278 Nature-Based Tourism - 3 points  
MURDOCH: S1-internal, S1-external

TOU302 Tourism Project - 4 points

MURDOCH: S2-internal, S2-external

TOU303 Destination Management - 4 points  
MURDOCH: S2-internal  
KAPLAN-SGP: TJA-internal, TSA-internal

TOU304 Events, Policy and Evaluation - 4 points  
MURDOCH: S1-internal, S1-external  
KAPLAN-SGP: TMA-internal

**General Electives - 24 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

Highly recommended:

BUS207 Tourism and Hospitality Law - 4 points  
KAPLAN-SGP: TJA-internal, TSA-internal  
(no longer available at Murdoch campus: contact the Academic Chair for advice)

OR

BSL207 Tourism and Hospitality Law - 4 points  
(no longer available)

OR

BSL204 Tourism and Hospitality Law - 3 points  
MURDOCH: S1-internal, S1-external

SSH302 Events Internship - 8 points  
MURDOCH: S2-internal

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**TOURISM AND EVENTS HONOURS  
(BA(HONS))**

School of Arts

*Bachelor of Arts Honours (BA(Hons)) in Tourism and Events*

Course Codes: H1256

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop the ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

**Admission Requirements (Onshore):**

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Distinction average; subject to availability of a suitable supervisor and approval by the Associate Dean (Learning and Teaching) of the School.

English competence.

**Apply Online:**

Applications can be made online at  
<http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

**Course Structure - 24 credit points****Coursework - 12 credit points**

ART604 Advanced Research Methods - 3 points  
MURDOCH: S1-internal, S1-external

ART503 Honours Seminar in Arts - 3 points  
MURDOCH: S1-internal

TOU561 Honours Topic in Tourism and Events A - 3 points  
MURDOCH: S1-internal, S2-internal, Y-internal

TOU562 Honours Topic in Tourism and Events B - 3 points  
MURDOCH: S1-internal, S2-internal, Y-internal

### Thesis - 12 credit points

TOU569 Honours Thesis in Tourism and Events - 12 points  
MURDOCH: S1-internal, S2-internal

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## VETERINARY SCIENCE

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### VETERINARY SCIENCE (BSC+DVM)

School of Veterinary and Life Sciences

Bachelor of Science (BSc) in Veterinary Biology + Doctor of Veterinary Medicine (DVM)

Course Codes: B1330

Duration: 5 years full-time

#### Availability:

- Murdoch campus (internal)

*Restriction: Enrolment is subject to restriction due to constraints on unit enrolments.*

Veterinary Science is a major health profession with its own system of education, registration, organisation and ethics. Veterinarians are highly trained in skills of diagnosing, treating and preventing health problems in pets, domestic livestock, wildlife and laboratory animals. Additional areas of interest for veterinarians are increasing the productivity of animals and maintaining standards of food production and safety, animal research and public health.

This integrated five-year course of study leads to a registrable professional qualification in veterinary medicine. A degree of Bachelor of Science is awarded after the successful completion of the first six semesters of the course and is a prerequisite for entry to the six trimesters of study that leads to the degree of Doctor of Veterinary Medicine (DVM).

There is an entry quota.

#### Admission Requirements (Onshore):

Students will be admitted into the five-year veterinary course either directly from secondary school for high ranking school-leavers or after completing prior university study.

Prerequisite requirements for students entering with previous university study are shown at the beginning of the structure.

International students demonstrating English competence via IELTS need a score of 7.0, with no individual band less than 7.0.

#### Special Requirements:

Veterinary Science is an animal-based course. Students are required to participate in practical work involving living and dead animals and/or tissues from animals throughout the course.

#### Professional Recognition:

Graduates are eligible for registration to practice veterinary medicine without further examination in Australia and a number of other countries including Great Britain, New Zealand, Malaysia, South Africa, Singapore and Hong Kong. The DVM degree is recognised by the American Veterinary Medical Association which, after passing the appropriate National or State licensing examinations, makes Murdoch graduates eligible to practice in the USA and Canada.

#### Excluded Majors:

Animal Health

#### Additional Academic Progress Requirements:

Students may fail no more than one unit in each year set of units (that is, the units normally undertaken in each calendar year of the course under standard full-time enrolment), regardless of whether these are completed in the same calendar year. Students who fail more than one unit from any year set of units or in any one calendar year will be excluded from the course after a formal interview process with the Academic Chair.

A fail in any unit means that the unit will need to be repeated in the following year. Permission to overload will not be given to students who have failed a core unit.

Students who fail the same unit twice will be excluded from the course after a formal interview process with the Academic Chair.

#### Award with Distinction:

Students who have completed the five year BSc/DVM at a high standard may be awarded their degree with Distinction or High Distinction. This is determined on the basis of overall marks in all core units over the five year course.

#### Doctor of Veterinary Medicine:

Students receive a BSc (Veterinary Biology) after the first six semesters of study and then progress into six trimesters, taken over two years, which leads to the integrated of Bachelor of Science (Veterinary Biology) and Doctor of Veterinary Medicine (DVM) which is a registrable veterinary qualification.

The latter years are directed towards the acquisition of knowledge and skills required to diagnose, prevent and treat disease in animals and to optimise animal health and productivity.

Students may not continue in the Applied Veterinary Medicine part of the DVM course until they have completed all units and unit components from Veterinary Biology (BSc), or equivalent, and are eligible for the award of the BSc.

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### Course Structure - 144 credit points

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#### Veterinary Biology (BSc)

The Veterinary Biology degree encompasses both normal and abnormal aspects of vertebrate structure and function. The first year comprises units which introduce the scientific process, analysis of data and the form and function of the animal body; units in the second year include information on animal development, structure, function and metabolism; units in the third year cover general aspects of the causes and nature of disease and its control.

A degree of Bachelor of Science (Veterinary Biology) is awarded after successful completion of two years of Part II studies. It is a basis for an extra 'side-step' year of research work in some aspect of veterinary biology, leading to an honours degree. However, it is expected that most students will proceed directly into the final two years to complete the DVM in the minimum time (5 years).

### Course Structure - 72 credit points

#### Part I - 24 credit points

##### Year 1 - 24 credit points

##### Transition Unit - 3 credit points

BSC100 Building Blocks for Science Students - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### Breadth Unit for Degree - 3 credit points

BSC150 What is Science? - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### Core Units - 18 credit points



ANS102 Introduction to the Animal Body - 3 points  
MURDOCH: S1-internal

CHE140 Fundamentals of Chemistry - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external  
(Students achieving at least 60 percent in WACE Chemistry will be exempt from this unit and must select another Part I unit in its place.)

ANS101 Introduction to Livestock Science - 3 points  
MURDOCH: S2-internal (quota of 150 places), UA6-internal (quota of 40 places)  
(Students who have not completed this unit MUST take this unit in the Summer teaching period, prior to entering second year.)

BMS107 Foundations of Vertebrate Form and Function - 3 points  
MURDOCH: S2-internal

BIO152 Foundations of Cell and Molecular Biology - 3 points  
MURDOCH: S2-internal

MAS183 Statistical Data Analysis - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

## Part II - 48 credit points

### Year 2 - 24 credit points

#### Core Units - 24 credit points

VET260 Veterinary Structure and Function I - 3 points  
MURDOCH: S1-internal (quota of 110 places)

VET271 Veterinary Structure and Function II - 3 points  
MURDOCH: S1-internal (quota of 110 places)

VET272 Comparative Mammalian Biochemistry - 3 points  
MURDOCH: S1-internal

VET273 Veterinary Structure and Function III - 3 points  
MURDOCH: S2-internal (quota of 110 places)

VET210 Veterinary Professional Life I - 3 points  
MURDOCH: Y-internal

VET274 Veterinary Structure and Function IV - 3 points  
MURDOCH: S2-internal (quota of 110 places)

VET211 Principles of Infectious Diseases - Veterinary Microbiology - 3 points  
MURDOCH: S2-internal

VET278 Principles of Infectious Disease II - Veterinary Parasitology - 3 points  
MURDOCH: S2-internal

### Year 3 - 24 credit points

#### Core Units - 24 credit points

VET375 Processes in Animal Disease - 3 points  
Not available this year

VET377 Systems Pathology and Medicine - 6 points  
Not available this year

VET380 Veterinary Nutrition and Animal Toxicology - 3 points  
Not available this year

VET392 One Health - 3 points  
Not available this year

VET333 Animal Behaviour, Welfare and Veterinary Ethics - 3 points  
Not available this year

VET331 Introduction to Clinical Practice - 6 points  
Not available this year

## Applied Veterinary Medicine (DVM)

A further two years of study in Applied Veterinary Medicine leads to a Masters level degree of Doctor of Veterinary Medicine (DVM) which is a registrable veterinary qualification.

The latter years are directed to the development of professional attributes and research skills, the acquisition of knowledge and skills required to diagnose, prevent and treat disease in animals and to optimise animal health and productivity.

## Course Structure - 72 credit points

### Part II - 72 credit points

#### Year 1 - 36 credit points

##### Core Units - 36 credit points

VET6XX Veterinary Professional Life II - 6 points  
NA 2015  
(This unit to be completed over Years 1 and 2 of the DVM with 3 points taken each year.)

VET6XX Introduction to Clinical Skills - 3 points  
NA 2015

VET6XX Large Animal Practice - 12 points  
NA2015

VET6XX Companion Animal Practice - 12 points  
NA 2015

VET6XX Transition to Clinical Practice - 6 points  
NA 2015

#### Year 2 - 36 credit points

##### Core Units - 36 credit points

VET6XX Small Animal Practice - 6 points  
NA 2015

VET6XX Equine Practice, After-Hours and Diagnostic Imaging - 3 points  
NA 2015

VET6XX Production Animal, Public Health, Pathology (Anatomical and Clinical) Core Clinical Rotation - 3 points  
NA 2015

VET6XX Veterinary Professional Life III - 12 points  
NA 2015

Plus one of the following:

VET6XX Advanced Topics in Small Animal Practice - 9 points  
NA 2015

VET6XX Advanced Topics in Mixed Animal Practice - 9 points  
NA 2015

VET6XX Advanced Topics in Equine Practice - 9 points  
NA 2015

VET6XX Advanced Topics in Production Animal Practice - 9 points  
NA 2015

VET6XX Advanced Topics in Wildlife, Zoological and Conservation Medicine - 9 points  
NA 2015

VET6XX Advanced Topics in Veterinary Science - 9 points  
NA 2015

## Additional Academic Progress Requirements

Students may fail no more than one unit in each year set of units (that is, the units normally undertaken in each calendar year of the course under standard full-time enrolment), regardless of whether these are completed in the same calendar year. Students who fail more than one unit from any year set of units or in any one calendar year will be excluded from the course after a formal interview process with the Academic Chair.

A fail in any unit means that the unit will need to be repeated in the following year. Permission to overload will not be given to students who have failed a core unit.

Students who fail the same unit twice will be excluded from the course after a formal interview process with the Academic Chair.

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## VETERINARY BIOLOGY HONOURS (BSC(HONS))

School of Veterinary and Life Sciences

*Bachelor of Science Honours (BSc(Hons)) in Veterinary Biology*

Course Codes: H1257

Duration: 1 year full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

The aim of the Honours year is to extend the student's grasp of the principles and practice of their subject, to develop ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

Successful completion of the Honours course is required for admission to higher research degrees (i.e. Masters or PhD degrees).

### Admission Requirements (Onshore):

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Credit average (GPA 2); subject to availability of a suitable supervisor and approval by the School Dean.

Students interested in enrolling in Honours are advised to contact the Academic Chair before application to discuss supervision of their potential research project.

English competence.

### Apply Online:

Applications can be made online at <http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

## Course Structure - 24 credit points

### Coursework - 3 credit points

VLS683 Advanced Research Methods for Scientists - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

### Thesis - 21 credit points

VLS505 Honours Thesis in Veterinary Biology - 21 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external,  
Y-internal, Y-external

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## WEB COMMUNICATION

### WEB COMMUNICATION (BA)

School of Arts

*Bachelor of Arts (BA) in Web Communication*

Course Codes: B1316

Duration: 3 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)
- Some units only: Murdoch campus (external)

Web Communication combines an exciting mix of web design, digital marketing and public relations. Students will learn how to design and develop strategies for web communication campaigns

using a range of digital media including, social media, websites, mobile technology, games, video and online news media. Students will learn all about conveying information and ideas using networks such as Facebook, Twitter and YouTube, powerful search engines such as Google and Yahoo and well-designed and written websites and blogs to deliver creatively planned strategic outcomes for organisations.

In the Bachelor of Arts you will develop a broad understanding of your field and proficiency in producing written and oral arguments and creative artifacts in response to social, human and natural phenomena. You will also develop a critical appreciation of the perspectives of others. As an Arts graduate you will be able to think critically and creatively, apply knowledge and information, and communicate effectively. These are professional skills which are critical across a range of industries. You will also be able to pursue further study in the fields of social research, the humanities and/or the creative arts.

### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

### Admission Requirements (Offshore):

As per normal undergraduate admission requirements.

English competence.

### Employment Prospects:

Graduates will be able to undertake a range of creative production and strategic roles such as: web communications specialist; online PR and marketing consultant; SEO strategist; web-content strategist; e-commerce specialist; web producer; e-marketer; web studio account manager; and social media strategist, just to name a few.

### Professional Recognition:

Murdoch University is a member of the Australian Screen Production Education and Research Association.

### Recommended Double Majors:

Graphic Design; Journalism; Public Relations; Screen Production

### Excluded Minors:

Web Strategy

### Main Research Areas:

Online communication; online media production; online marketing and public relations.

## Course Structure - 72 credit points

### Part I - 24 credit points

#### Year 1 - 24 credit points

#### Transition Unit - 3 credit points

BAR100 Academic Learning Skills - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

#### Breadth Unit for Degree - 3 credit points

BAR150 Ideas and Identity - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

#### Core Units - 9 credit points

PRO107 Introduction to Public Relations - 3 points  
MURDOCH: S1-internal

IDD118 Introduction to Graphic Design - 3 points  
MURDOCH: S2-internal

PRO101 Introduction to Social Media - 3 points  
MURDOCH: S2-internal

#### General Electives - 9 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider

using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

## Part II - 48 credit points

### Year 2 - 24 credit points

#### Research Skills Unit - 3 credit points

The Research Skills unit to be taken will depend on the student's Primary Major. Select from the following.

#### For Primary Major in Social and Developmental Psychology

BSC201 Psychology: Measurement, Design and Analysis - 3 points  
MURDOCH: S1-internal

#### For All Other Primary Majors

BAR200 Developing Research Skills and Methods - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

#### Breadth Unit University-Wide - 3 credit points

Select one 200-level University Breadth Unit.

#### Core Units - 9 credit points

WEB278 Web Strategy - 3 points  
MURDOCH: S2-internal

WEB263 Web Design - 3 points  
MURDOCH: S1-internal

CMS201 Screen: Small, Medium and Large - 3 points  
MURDOCH: S1-internal, S1-external

#### General Electives - 9 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

### Year 3 - 24 credit points

#### Research Skills Unit - 3 credit points

BAR300 Bachelor of Arts Research Skills Unit - 3 points  
Not available this year

#### Breadth Unit University-Wide - 3 credit points

BRD350 University Breadth in Practice Unit - 3 points  
Not available this year

#### Core Units - 9 credit points

WEB303 Business of Freelancing - 3 points  
Not available this year

WEB302 Web Metrics - 3 points  
Not available this year

WEB301 Web Communication Project - 3 points  
Not available this year

#### General Electives - 9 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

## WEB COMMUNICATION (BDMEDIA)

School of Arts

Bachelor of Digital Media (BDMedia) in Web Communication

Course Codes: B1273

Duration: 3 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal) (not available to new admissions at this location)
- Kaplan Higher Education Institute and Kaplan Higher Education Academy (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English) (available until end 2016 at this location, after which this will be replaced by a Bachelor of Arts)
- Some units only: Murdoch campus (external) (not available to new admissions at this location)

Restriction: Enrolment is subject to restriction due to constraints on unit enrolments.

Web Communication combines an exciting mix of web design, digital marketing and public relations. Students will learn how to design and develop strategies for web communication campaigns using a range of digital media including, social media, websites, mobile technology, games, video and online news media. Students will learn all about conveying information and ideas using networks such as Facebook, Twitter and YouTube, powerful search engines such as Google and Yahoo and well-designed and written websites and blogs to deliver creatively planned strategic outcomes for organisations.

#### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

#### Admission Requirements (Offshore):

As per normal undergraduate admission requirements.

English competence.

#### Employment Prospects:

Graduates will be able to undertake a range of creative production and strategic roles such as: web communications specialist; online PR and marketing consultant; SEO strategist; web-content strategist; e-commerce specialist; web producer; e-marketer; web studio account manager; and social media strategist, just to name a few.

#### Professional Recognition:

Murdoch University is a member of the Australian Screen Production Education and Research Association.

#### Main Research Areas:

Online communication; online media production; online marketing and public relations.

## Course Structure - 72 credit points

### Part I - 24 credit points

#### Foundation Unit - 3 credit points

From 2014, Foundation units will no longer be offered. Students who have not yet successfully completed a Foundation unit will be required to enrol in the following Transition Unit.

BAR100 Academic Learning Skills - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

#### Core Units - 9 credit points

PRO107 Introduction to Public Relations - 3 points  
MURDOCH: S1-internal

OR

MCC107 Introduction to Public Relations - 3 points

BUS183 Foundations of Marketing - 3 points  
MURDOCH: S2-internal, S2-external

OR

BUS169 Principles of Marketing - 3 points

IDD118 Introduction to Graphic Design - 3 points  
MURDOCH: S2-internal

OR

MCC118 Visual Communication - 3 points

OR

SCR101 Screen Production 1 - 3 points  
MURDOCH: S1-internal (quota of 102 places)

### General Electives - 12 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

## Part II - 48 credit points

### Core Units - 24 credit points

MCC315 New Media Technologies - 4 points  
MURDOCH: S2-internal, S2-external  
KAPLAN-SGP: TMA-internal

MCC278 Web Strategy - 4 points  
KAPLAN-SGP: TJA-internal, TSA-internal

OR

WEB278 Web Strategy - 3 points  
MURDOCH: S2-internal

MCC263 Web Design - 4 points  
KAPLAN-SGP: TJA-internal, TSA-internal

OR

WEB263 Web Design - 3 points  
MURDOCH: S1-internal

BUS305 Digital Business - 4 points  
MURDOCH: S1-internal, S1-external

OR

BUS273 Consumer Behaviour - 4 points  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal  
(no longer available at Murdoch campus: contact the Academic Chair for advice)

MCC316 Communication Projects - 4 points  
MURDOCH: S1-internal, S2-internal

MCC340 Digital Video - 4 points  
KAPLAN-SGP: TSA-internal

### General Electives - 24 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

## WEB COMMUNICATION HONOURS (BA(HONS))

School of Arts

Bachelor of Arts Honours (BA(Hons)) in Web Communication

Course Codes: H1256

Duration: 1 year full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practices of their subject, and to develop the ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

### Admission Requirements (Onshore):

Completion of a Bachelor Degree (AQF Level 7) or equivalent in the same discipline or cognate area with a Distinction average; subject to availability of a suitable supervisor and approval by the Associate Dean (Learning and Teaching) of the School.

English competence.

### Apply Online:

Applications can be made online at  
<http://goto.murdoch.edu.au/OnlineApplicationsLatecomers>

## Course Structure - 24 credit points

### Coursework - 12 credit points

ART503 Honours Seminar in Arts - 3 points  
MURDOCH: S1-internal

ART604 Advanced Research Methods - 3 points  
MURDOCH: S1-internal, S1-external

WEB561 Honours Topic in Web Communication A - 3 points  
MURDOCH: S1-internal, S2-internal, Y-internal

WEB562 Honours Topic in Web Communication B - 3 points  
MURDOCH: S1-internal, S2-internal, Y-internal

### Thesis - 12 credit points

WEB569 Honours Thesis in Web Communication - 12 points  
MURDOCH: S1-internal, S2-internal, Y-internal

# Minors

## Cancellation of Courses, Majors, Minors and Units

The University reserves the right to cancel, without notice, any course, major, minor or unit if the number of students enrolled falls below limits set by the University or in other unforeseen circumstances.

Minor	Parent Major
3D Animation	Games Art and Design
Anthropology	Asian Studies
Applied Animal Production	Animal Science
Applied Statistics	Mathematics and Statistics
Asian Studies	Asian Studies
Australian Indigenous Studies	Australian Indigenous Studies
Biomedical Science	Biomedical Science
Business Law	Business Law
Communication	Communication and Media Studies
Computer Forensics and Computer Security	Cyber Forensics and Information Security
Computer Forensics and Information Security Policy	Cyber Forensics and Information Security
Computer and Network Security	Internetworking and Network Security
Creative Writing	English and Creative Writing
Developmental Psychology	Social and Developmental Psychology
Ecosystem Management	Environmental Science
Environmental Issues	Environmental Management and Sustainability
Equine Science	Animal Science
Ethics	Philosophy
Events	Tourism and Events
Fisheries Science	Marine Science
Forensic Biology	Forensic Biology and Toxicology
Games Design	Games Software Design and Production
Gender Studies	Asian Studies
Health Psychology	Cognitive Neuroscience and Health Psychology
Human Anatomy	Biomedical Science
Indigenous Community Engagement	Australian Indigenous Studies
Indonesian	Indonesian
Industrial and Applied Mathematics	Mathematics and Statistics
International Aid and Development	International Aid and Development
Japanese	Japanese
Literature	English and Creative Writing
Marine Biology	Marine Science
Media Studies	Communication and Media Studies
Modern History	History
Molecular Biology	Molecular Biology
Network Design	Internetworking and Network Security
Neuroscience	Cognitive Neuroscience and Health Psychology
Organic and Biological Chemistry	Chemistry
Organisational Psychology	Social and Developmental Psychology
Philosophy	Philosophy
Photography	Photography
Politics and International Studies	Politics and International Studies
Popular Culture, Indigeneity and Nationhood	Australian Indigenous Studies
Print Design	Graphic Design
Public Relations	Public Relations
Radio	Radio
Religion	Religion
Resource Management	Environmental Science

<b>Minor</b>	<b>Parent Major</b>
Screen Production	Screen Production
Security, Terrorism and Counterterrorism	Security, Terrorism and Counterterrorism Studies
Social, Cultural and Literary Theory	Australian Indigenous Studies
Social Justice in Contemporary Culture	Communication and Media Studies
Social Psychology	Social and Developmental Psychology
Social and Developmental Psychology	Social and Developmental Psychology
Sound Production	Sound
Sound Studies	Sound
Sport Psychology	Social and Developmental Psychology
Sustainability, Ecosystems and Community Development	Sustainable Development
Sustainable Development	Sustainable Development
Theatre and Drama	Theatre and Drama
Tourism	Tourism and Events
Web Design	Graphic Design
Web Development	Mobile and Web Application Development
Web Strategy	Web Communication

## 3D ANIMATION

*School of Arts*

**Parent Major:**

Games Art and Design

**Excluded Majors:**

Games Art and Design

### Minor Structure - 12 credit points

#### Part I - 6 credit points

##### Core Units - 6 credit points

GAD164 3D Modelling - 3 points

MURDOCH: S1-internal

GAD154 Introduction to Games Art and Design - 3 points

MURDOCH: S2-internal

#### Part II - 6 credit points

##### Core Units - 6 credit points

GAD241 Animation - 3 points

MURDOCH: S1-internal

GAD365 3D Animation - 3 points

Not available this year

## ANTHROPOLOGY

*School of Arts*

**Parent Major:**

Asian Studies

### Minor Structure - 12 credit points

#### Part II - 12 credit points

##### Core Unit - 3 credit points

AST312 Anthropology, Society and Culture - 3 points

Not available this year

##### Specified Electives - 9 credit points

Select from the following:

AIS241 Indigenous Spirituality and Well-Being - 3 points

Not available this year

AST350 Society, Culture and Ecology in Asia - 3 points

Not available this year

AST352 Culture and Religion in Asia - 3 points

Not available this year

AST288 Women in Asian Societies - 3 points

MURDOCH: S2-internal, S2-external

## APPLIED ANIMAL PRODUCTION

*School of Veterinary and Life Sciences*

**Parent Major:**

Animal Science

### Minor Structure - 12 credit points

#### Part I - 3 credit points

##### Core Unit - 3 credit points

BIO152 Foundations of Cell and Molecular Biology - 3 points

MURDOCH: S2-internal

#### Part II - 9 credit points

##### Core Units - 9 credit points

VET272 Comparative Mammalian Biochemistry - 3 points

MURDOCH: S1-internal

ANS363 Applied Animal Agriculture - 3 points

Not available this year

ANS364 Applied Animal Breeding - 3 points

Not available this year

## APPLIED STATISTICS

*School of Engineering and Information Technology*

**Parent Major:**

Mathematics and Statistics

**Excluded Majors:**

Mathematics and Statistics

### Minor Structure - 12 credit points

#### Part I - 3 or 6 credit points

##### Core Unit - 3 credit points

MAS183 Statistical Data Analysis - 3 points

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### Specified Electives - 0 or 3 credit points

If this unit is not taken then an additional Part II Specified Elective must be taken.

MAS182 Applied Mathematics - 3 points

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

#### Part II - 6 or 9 credit points

##### Core Unit - 3 credit points

MAS353 Statistical Design and Data Analysis - 3 points

Not available this year

##### Specified Electives - 3 or 6 credit points

Select from the following units. If a Part I Specified Elective was taken then select one unit, otherwise complete both.

MAS223 Applied Statistics - 3 points

MURDOCH: S1-internal, S1-external

MAS224 Biostatistical Methods - 3 points

MURDOCH: S2-internal, S2-external

## ASIAN STUDIES

*School of Arts*

**Parent Major:**

Asian Studies

**Excluded Majors:**

Asian Studies

### Minor Structure - 12 credit points

#### Part I - 3 credit points

##### Core Unit - 3 credit points

AST102 Asian Centuries - 3 points

MURDOCH: S1-internal, S1-external

#### Part II - 9 credit points

**Core Unit - 3 credit points**

AST281 Contemporary Asia - 3 points  
MURDOCH: S1-internal, S1-external

**Specified Electives - 6 credit points**

Select from the following:

AST286 People's History of South-East Asia - 3 points  
Not available this year

AST288 Women in Asian Societies - 3 points  
MURDOCH: S2-internal, S2-external

AST350 Society, Culture and Ecology in Asia - 3 points  
Not available this year

AST352 Culture and Religion in Asia - 3 points  
Not available this year

HIS258 Soldiers and Civilians: War in the Pacific 1941-1945 - 3 points  
MURDOCH: S1-internal, S1-external

HIS310 Modern Japanese History - 3 points  
Not available this year

IND371 Media, Culture and Politics in Indonesia - 3 points  
Not available this year

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**AUSTRALIAN INDIGENOUS STUDIES***School of Arts***Parent Major:**

Australian Indigenous Studies

**Excluded Majors:**

Australian Indigenous Studies

**Minor Structure - 12 credit points****Part I - 3 credit points****Specified Electives - 3 credit points**

AIS180 Introduction to Australian Indigenous Studies - 3 points  
MURDOCH: S1-internal, S1-external

OR

AIS110 Introduction to Indigenous Popular Culture - 3 points  
MURDOCH: S2-internal, S2-external

**Part II - 9 credit points****Core Units - 9 credit points**

AIS204 Australian Indigenous Politics: Historical Contexts and Contemporary Issues - 3 points  
MURDOCH: S1-internal, S1-external

AIS307 Indigeneity, Critical Theory and Social Justice - 3 points  
Not available this year

AIS356 Reading Reconciliation - 3 points  
Not available this year

**BIOMEDICAL SCIENCE***School of Veterinary and Life Sciences***Parent Major:**

Biomedical Science

**Excluded Majors:**

Biomedical Science

**Minor Structure - 12 credit points****Part I - 3 credit points****Core Unit - 3 credit points**

BMS107 Foundations of Vertebrate Form and Function - 3 points  
MURDOCH: S2-internal

**Part II - 9 credit points****Core Units - 9 credit points**

BMS206 Biomedical Physiology - 3 points  
MURDOCH: S1-internal

BMS212 Medical Microbiology - 3 points  
MURDOCH: S1-internal

BMS314 Mechanisms of Disease - 3 points  
Not available this year

**BUSINESS LAW***School of Law***Parent Major:**

Business Law

**Excluded Majors:**

Business Law; Law + Business [Combined]

**Minor Structure - 12 credit points****Part I - 3 credit points****Core Unit - 3 credit points**

BSL165 Foundations of Business Law - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

**Part II - 9 credit points****Core Unit - 3 credit points**

BSL211 Technology and the Law - 3 points  
MURDOCH: S2-internal, S2-external

**Specified Electives - 6 credit points**

Select from the Specified Elective Unit List below.

BSL201 Finance Law - 3 points  
MURDOCH: S1-internal, S1-external

BSL202 Workplace Law - 3 points  
MURDOCH: S2-internal, S2-external

BSL203 Marketing and Advertising Law - 3 points  
MURDOCH: S1-internal, S1-external

BSL204 Tourism and Hospitality Law - 3 points  
MURDOCH: S1-internal, S1-external

BSL305 Company Law - 3 points  
Not available this year



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## COMMUNICATION

*School of Arts*

**Parent Major:**

Communication and Media Studies

**Excluded Majors:**

Communication and Media Studies

### **Minor Structure - 12 credit points**

#### **Part I - 3 credit points**

##### **Core Unit - 3 credit points**

CMS100 Introduction to Communication - 3 points  
MURDOCH: S1-internal, S1-external

#### **Part II - 9 credit points**

##### **Core Units - 6 credit points**

CMS203 Audiences, Users and Participants - 3 points  
MURDOCH: S2-internal, S2-external

CMS304 Communicating Global Issues - 3 points  
Not available this year

##### **Specified Electives - 3 credit points**

Select from the following:

CMS202 Old Media, New Media - 3 points  
MURDOCH: S2-internal, S2-external

CMS305 Media Governance and the Public Sphere - 3 points  
Not available this year

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## COMPUTER FORENSICS AND COMPUTER SECURITY

*School of Engineering and Information Technology*

**Parent Major:**

Cyber Forensics and Information Security

**Excluded Majors:**

Cyber Forensics and Information Security

**Excluded Minors:**

Computer Forensics and Information Security Policy

### **Minor Structure - 12 credit points**

#### **Part I - 3 credit points**

##### **Core Unit - 3 credit points**

ICT171 Introduction to Server Environments and Architectures - 3 points  
MURDOCH: S1-internal, S1-external

#### **Part II - 9 credit points**

##### **Core Units - 9 credit points**

ICT287 Computer Security - 3 points  
MURDOCH: S1-internal, S1-external

ICT378 Cyber Forensics and Information Technology - 3 points  
Not available this year

ICT379 Security Architectures and Systems Administration - 3 points  
Not available this year

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## COMPUTER FORENSICS AND INFORMATION SECURITY POLICY

*School of Engineering and Information Technology*

**Parent Major:**

Cyber Forensics and Information Security

**Excluded Majors:**

Cyber Forensics and Information Security

**Excluded Minors:**

Computer Forensics and Computer Security

### **Minor Structure - 12 credit points**

#### **Part I - 6 credit points**

##### **Core Units - 6 credit points**

ICT158 Introduction to Information Systems - 3 points  
MURDOCH: S2-internal, S2-external

ICT171 Introduction to Server Environments and Architectures - 3 points  
MURDOCH: S1-internal, S1-external

#### **Part II - 6 credit points**

##### **Core Units - 6 credit points**

ICT378 Cyber Forensics and Information Technology - 3 points  
Not available this year

ICT380 Information Security Policy and Governance - 3 points  
Not available this year

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## COMPUTER AND NETWORK SECURITY

*School of Engineering and Information Technology*

**Parent Major:**

Internetworking and Network Security

**Excluded Majors:**

Internetworking and Network Security

### **Minor Structure - 12 credit points**

#### **Part I - 3 credit points**

##### **Core Unit - 3 credit points**

ICT169 Foundations of Data Communications - 3 points  
MURDOCH: S2-internal, S2-external

#### **Part II - 9 credit points**

##### **Core Units - 9 credit points**

ICT287 Computer Security - 3 points  
MURDOCH: S1-internal, S1-external

ICT291 Network Design and Implementation - 3 points  
MURDOCH: S1-internal

ICT377 Network Security - 3 points  
Not available this year

## CREATIVE WRITING

*School of Arts*

**Parent Major:**

English and Creative Writing

**Excluded Majors:**

English and Creative Writing

### Minor Structure - 12 credit points

#### Part I - 3 credit points

##### Core Unit - 3 credit points

EGL122 Writing and Creativity - 3 points  
MURDOCH: S2-internal, S2-external

#### Part II - 9 credit points

##### Core Units - 9 credit points

EGL220 Project in Creative Writing - 3 points  
MURDOCH: S2-internal, S2-external

EGL233 Telling True Stories - 3 points  
MURDOCH: S2-internal, S2-external

EGL232 Professional Writing and Editing - 3 points  
Not available this year

## DEVELOPMENTAL PSYCHOLOGY

*School of Psychology and Exercise Science*

**Parent Major:**

Social and Developmental Psychology

### Minor Structure - 15 credit points

#### Part I - 3 credit points

##### Core Unit - 3 credit points

Select from the following:

PSY101 Introduction to Cultural and Community Psychology - 3 points  
MURDOCH: S1-internal

PSY141 Introduction to Psychological Science - 3 points  
MURDOCH: S1-internal, S2-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

PSY173 Introduction to Psychological Research Methods - 3 points  
MURDOCH: S2-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

#### Part II - 12 credit points

##### Core Units - 12 credit points

PSY247 Psychology: Human Development - 4 points  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

OR

PSY286 Psychology: Human Development - 3 points  
MURDOCH: S2-internal

PSY249 Psychology: The Developing Mind - 4 points  
MURDOCH: S1-internal

OR

PSY393 Psychology: The Developing Mind - 3 points  
Not available this year

PSY356 Psychology: Family Relations and Social Development - 4

points

MURDOCH: S2-internal

OR

PSY392 Psychology: Family Relations and Social Development - 3 points  
Not available this year

## ECOSYSTEM MANAGEMENT

*School of Veterinary and Life Sciences*

**Parent Major:**

Environmental Science

**Excluded Majors:**

Environmental Management and Sustainability; Environmental Science

### Minor Structure - 12 credit points

#### Part I - 3 credit points

##### Core Unit - 3 credit points

BIO103 Introduction to Environmental Biology - 3 points  
MURDOCH: S1-internal, S1-external

OR

BIO180 Introduction to Marine Biology - 3 points  
MURDOCH: S1-internal

#### Part II - 9 credit points

##### Core Units - 9 credit points

ENV241 Ecology - 3 points  
MURDOCH: S2-internal, S2-external

ENV246 Protected Area Management and Planning - 3 points  
MURDOCH: S1-internal, S1-external

ENV332 Managing Wetlands and Water - 3 points  
Not available this year

## ENVIRONMENTAL ISSUES

*School of Veterinary and Life Sciences*

**Parent Major:**

Environmental Management and Sustainability

**Excluded Majors:**

Environmental Management and Sustainability; Sustainable Development

**Excluded Minors:**

Sustainable Development

### Minor Structure - 12 credit points

#### Part I - 3 credit points

##### Core Unit - 3 credit points

ENV102 Foundations of the Environment - 3 points  
MURDOCH: S2-internal, S2-external

#### Part II - 9 credit points

##### Core Units - 9 credit points

ENV245 Global and Regional Sustainability - 3 points  
MURDOCH: S2-internal, S2-external

ENV246 Protected Area Management and Planning - 3 points

MURDOCH: S1-internal, S1-external

SUS203 Sustainability, Ecology and Communities - 3 points

MURDOCH: S1-internal, S1-external

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## EQUINE SCIENCE

*School of Veterinary and Life Sciences*

**Parent Major:**

Animal Science

### **Minor Structure - 12 credit points**

#### **Part I - 6 credit points**

**Core Units - 6 credit points**

BMS107 Foundations of Vertebrate Form and Function - 3 points

MURDOCH: S2-internal

BIO152 Foundations of Cell and Molecular Biology - 3 points

MURDOCH: S2-internal

#### **Part II - 6 credit points**

**Core Units - 6 credit points**

ANS365 Equine Physiology and Behaviour - 3 points

MURDOCH: S1-internal

ANS366 Equine Nutrition and Health - 3 points

MURDOCH: S2-internal

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## ETHICS

*School of Arts*

**Parent Major:**

Philosophy

**Excluded Majors:**

Philosophy

### **Minor Structure - 12 credit points**

#### **Part I - 6 credit points**

**Core Units - 6 credit points**

PHL130 Introduction to Philosophy - 3 points

MURDOCH: S2-internal, S2-external

PHL131 Critical and Creative Thinking - 3 points

MURDOCH: S1-internal, S1-external

#### **Part II - 6 credit points**

**Core Units - 6 credit points**

PHL206 Moral and Political Philosophy - 3 points

Not available this year

PHL210 Applied and Professional Ethics - 3 points

Not available this year

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## EVENTS

*School of Arts*

**Parent Major:**

Tourism and Events

**Excluded Majors:**

Tourism and Events

**Excluded Minors:**

Tourism

### **Minor Structure - 12 credit points**

#### **Part I - 3 credit points**

**Specified Electives - 3 credit points**

Select from the following:

TOU101 Introduction to Tourism Systems - 3 points

MURDOCH: S1-internal, S1-external

TOU102 Travel and Tourism in Society - 3 points

MURDOCH: S2-internal, S2-external

KAPLAN-SGP: TMA-internal

#### **Part II - 9 credit points**

**Core Units - 9 credit points**

TOU221 Sustainable Tourism - 3 points

MURDOCH: S1-internal, S1-external

TOU232 Festivals and Events - 3 points

MURDOCH: S1-internal, S1-external

TOU324 Events, Policy and Evaluation - 3 points

Not available this year

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## FISHERIES SCIENCE

*School of Veterinary and Life Sciences*

**Parent Major:**

Marine Science

**Excluded Minors:**

Resource Management

### **Minor Structure - 12 credit points**

#### **Part I - 3 credit points**

**Core Unit - 3 credit points**

BIO103 Introduction to Environmental Biology - 3 points

MURDOCH: S1-internal, S1-external

OR

BIO180 Introduction to Marine Biology - 3 points

MURDOCH: S1-internal

#### **Part II - 9 credit points**

**Core Units - 6 credit points**

BIO249 Sustainable Management of Fish and Wildlife - 3 points

MURDOCH: S1-internal

ENV303 GIS for Environmental Management and Planning - 3 points

MURDOCH: S2-internal, S2-external

**Specified Electives - 3 credit points**

Select from the following:

MAS223 Applied Statistics - 3 points

MURDOCH: S1-internal, S1-external

MAS353 Statistical Design and Data Analysis - 3 points

Not available this year

## FORENSIC BIOLOGY

*School of Veterinary and Life Sciences*

**Parent Major:**

Forensic Biology and Toxicology

**Excluded Majors:**

Forensic Biology and Toxicology

**Minor Structure - 12 credit points**

**Part I - 6 credit points**

**Core Units - 6 credit points**

CHE103 Introduction to Forensic Science - 3 points  
MURDOCH: S1-internal

BMS101 Introduction to the Human Body - 3 points  
MURDOCH: S1-internal

**Part II - 6 credit points**

**Core Units - 6 credit points**

BMS213 Forensic Anatomy and Anthropology - 3 points  
MURDOCH: S1-internal

BIO388 Case Studies in Forensic Biology - 3 points  
MURDOCH: W-internal

## GAMES DESIGN

*School of Engineering and Information Technology*

**Parent Major:**

Games Software Design and Production

**Excluded Majors:**

Games Software Design and Production

**Minor Structure - 12 credit points**

**Part I - 3 credit points**

**Core Unit - 3 credit points**

ICT159 Foundations of Programming - 3 points  
MURDOCH: S1-internal, S1-external

**Part II - 9 credit points**

**Core Units - 9 credit points**

ICT288 Games Software Design - 3 points  
MURDOCH: S1-internal, S1-external

ICT365 Software Development Frameworks - 3 points  
Not available this year

ICT367 Games Software Production - 3 points  
Not available this year

## GENDER STUDIES

*School of Arts*

**Parent Major:**

Asian Studies

**Minor Structure - 12 credit points**

**Part II - 12 credit points**

**Core Units - 6 credit points**

POL226 Sex and Gender Matters - 3 points

MURDOCH: S2-internal, S2-external

AST288 Women in Asian Societies - 3 points  
MURDOCH: S2-internal, S2-external

**Specified Electives - 6 credit points**

Select from the following:

ALS234 Our Mob: Indigenous Community Engagement - 3 points  
MURDOCH: S1-internal, S1-external

JPN207 Love and Sexuality in Japan - 3 points  
MURDOCH: S2-internal, S2-external

PHL212 Love and Friendship - 3 points  
Not available this year

## HEALTH PSYCHOLOGY

*School of Psychology and Exercise Science*

**Parent Major:**

Cognitive Neuroscience and Health Psychology

**Minor Structure - 15 credit points**

**Part I - 3 credit points**

**Core Unit - 3 credit points**

Select from the following:

PSY171 Introduction to Applications of Psychology - 3 points  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

OR

PSY101 Introduction to Cultural and Community Psychology - 3 points  
MURDOCH: S1-internal

PSY141 Introduction to Psychological Science - 3 points  
MURDOCH: S1-internal, S2-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

PSY173 Introduction to Psychological Research Methods - 3 points  
MURDOCH: S2-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

**Part II - 12 credit points**

**Core Units - 12 credit points**

PSY213 Psychology: Abnormal Behaviour - 4 points  
MURDOCH: S2-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

OR

PSY388 Psychology: Abnormal Behaviour - 3 points  
Not available this year

PSY215 Psychology: Drugs and Dependence - 4 points  
MURDOCH: S1-internal

OR

PSY389 Psychology: Drugs and Dependence - 3 points  
Not available this year

PSY358 Psychology: Sensation and Perception - 4 points  
(no longer available)

OR

PSY297 Psychology: Sensation and Perception - 3 points  
MURDOCH: S2-internal

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## HUMAN ANATOMY

*School of Veterinary and Life Sciences*

**Parent Major:**

Biomedical Science

### **Minor Structure - 12 credit points**

#### **Part I - 6 credit points**

##### **Core Units - 6 credit points**

BMS101 Introduction to the Human Body - 3 points  
MURDOCH: S1-internal

CHI108 Introduction to Human Anatomy - 3 points  
MURDOCH: S2-internal (quota of 225 places)

#### **Part II - 6 credit points**

##### **Core Units - 6 credit points**

Select from the following:

BMS213 Forensic Anatomy and Anthropology - 3 points  
MURDOCH: S1-internal

CHI280 Human Anatomy I - 4 points  
MURDOCH: S1-internal (quota of 90 places)

CHI234 Human Anatomy II - 3 points  
Not available this year

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## INDIGENOUS COMMUNITY ENGAGEMENT

*School of Arts*

**Parent Major:**

Australian Indigenous Studies

**Excluded Majors:**

Australian Indigenous Studies

### **Minor Structure - 12 credit points**

#### **Part II - 12 credit points**

##### **Core Units - 12 credit points**

AIS234 Our Mob: Indigenous Community Engagement - 3 points  
MURDOCH: S1-internal, S1-external

SUS203 Sustainability, Ecology and Communities - 3 points  
MURDOCH: S1-internal, S1-external

AIS301 Country, Nature and Identity: Indigenous Sustainability - 4 points  
MURDOCH: S1-internal, S1-external

COD302 Creative Ways to Work with Community - 3 points  
MURDOCH: S2-internal, S2-external

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## INDONESIAN

*School of Arts*

**Parent Major:**

Indonesian

**Excluded Majors:**

Indonesian

### **Minor Structure - 12 credit points**

#### **Part I - 6 credit points**

##### **Core Units - 6 credit points**

IND101 Indonesian 1 - 3 points  
MURDOCH: S1-internal, S1-external

IND102 Indonesian 2 - 3 points  
MURDOCH: S2-internal, S2-external

#### **Part II - 6 credit points**

##### **Core Units - 6 credit points**

IND201 Indonesian 3 - 3 points  
MURDOCH: S1-internal, S1-external

IND202 Indonesian 4 - 3 points  
MURDOCH: S1-internal, S1-external

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## INDUSTRIAL AND APPLIED MATHEMATICS

*School of Engineering and Information Technology*

**Parent Major:**

Mathematics and Statistics

**Excluded Majors:**

Mathematics and Statistics

### **Minor Structure - 12 credit points**

#### **Part I - 3 credit points**

##### **Core Unit - 3 credit points**

MAS182 Applied Mathematics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

OR

MAS161 Calculus and Matrix Algebra - 3 points  
MURDOCH: S2-internal, S2-external

#### **Part II - 9 credit points**

##### **Core Unit - 3 credit points**

MAS220 Mathematical Methods - 3 points  
MURDOCH: S1-internal, S1-external

OR

MAS221 Mathematical Modelling - 3 points  
MURDOCH: S2-internal, S2-external

##### **Specified Electives - 6 credit points**

Select from the following:

MAS220 Mathematical Methods - 3 points  
MURDOCH: S1-internal, S1-external

MAS221 Mathematical Modelling - 3 points  
MURDOCH: S2-internal, S2-external

MAS351 Environmental and Biological Modelling - 3 points  
Not available this year

MAS354 Modelling and Simulation - 3 points  
Not available this year

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## INTERNATIONAL AID AND DEVELOPMENT

*School of Management and Governance*

**Parent Major:**

International Aid and Development

### **Minor Structure - 12 credit points**

#### **Part I - 3 credit points**

##### **Core Unit - 3 credit points**

SUS100 Introduction to Sustainable Development - 3 points  
MURDOCH: S2-internal, S2-external

#### **Part II - 9 credit points**

##### **Core Units - 9 credit points**

SUS207 Overseas Aid and International Development - 3 points  
MURDOCH: S1-internal, S1-external

POL298 International Political Economy - 3 points  
MURDOCH: S2-internal, S2-external

POL226 Sex and Gender Matters - 3 points  
MURDOCH: S2-internal, S2-external

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## JAPANESE

*School of Arts*

**Parent Major:**

Japanese

**Excluded Majors:**

Japanese

### **Minor Structure - 12 credit points**

#### **Part I - 3 credit points**

##### **Core Unit - 3 credit points**

JPN102 Japanese 2 - 3 points  
MURDOCH: S2-internal

#### **Part II - 9 credit points**

##### **Core Units - 9 credit points**

JPN201 Japanese 3 - 3 points  
MURDOCH: S1-internal

JPN202 Japanese 4 - 3 points  
MURDOCH: S1-internal

JPN203 Japanese 5 - 3 points  
MURDOCH: S2-internal

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## LITERATURE

*School of Arts*

**Parent Major:**

English and Creative Writing

### **Minor Structure - 12 credit points**

#### **Part I - 3 credit points**

##### **Core Unit - 3 credit points**

EGL121 Turning Points in Literature - 3 points  
MURDOCH: S1-internal, S1-external

#### **Part II - 9 credit points**

##### **Core Units - 9 credit points**

EGL252 Great Books Past and Present 1 - 3 points  
MURDOCH: S1-internal, S1-external

EGL348 Shakespeare - 3 points  
Not available this year

EGL344 Sonnet to Song: Understanding Poetry - 3 points  
Not available this year

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## MARINE BIOLOGY

*School of Veterinary and Life Sciences*

**Parent Major:**

Marine Science

**Excluded Majors:**

Conservation and Wildlife Biology

### **Minor Structure - 12 credit points**

#### **Part I - 3 credit points**

##### **Core Unit - 3 credit points**

Select from the following:

BIO180 Introduction to Marine Biology - 3 points  
MURDOCH: S1-internal

BIO103 Introduction to Environmental Biology - 3 points  
MURDOCH: S1-internal, S1-external

#### **Part II - 9 credit points**

##### **Core Units - 9 credit points**

BIO249 Sustainable Management of Fish and Wildlife - 3 points  
MURDOCH: S1-internal

ENV241 Ecology - 3 points  
MURDOCH: S2-internal, S2-external

BIO393 Tropical Marine Biology - 3 points  
Not available this year

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## MEDIA STUDIES

*School of Arts*

**Parent Major:**

Communication and Media Studies

**Excluded Majors:**

Communication and Media Studies

### **Minor Structure - 12 credit points**

#### **Part I - 3 credit points**

##### **Core Unit - 3 credit points**

CMS101 Introduction to Media Studies - 3 points  
MURDOCH: S2-internal, S2-external

#### **Part II - 9 credit points**

##### **Core Units - 9 credit points**

CMS201 Screen: Small, Medium and Large - 3 points  
MURDOCH: S1-internal, S1-external

CMS202 Old Media, New Media - 3 points  
MURDOCH: S2-internal, S2-external

CMS305 Media Governance and the Public Sphere - 3 points

Not available this year

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## MODERN HISTORY

### *School of Arts*

#### **Parent Major:**

History

#### **Excluded Majors:**

History

### **Minor Structure - 12 credit points**

#### **Part I - 3 credit points**

##### **Core Unit - 3 credit points**

HIS182 Making of the Modern World - 3 points  
MURDOCH: S2-internal, S2-external

OR

HIS181 Introduction to History - 3 points  
MURDOCH: S1-internal, S1-external

#### **Part II - 9 credit points**

##### **Specified Electives - 9 credit points**

Select from the following:

HIS259 Europe Under the Dictators - 3 points  
Not available this year

HIS256 Earth, Fire, Wind and Water: Australian Environmental History - 3 points  
MURDOCH: S1-internal, S1-external

HIS200 Approaches to History - 3 points  
MURDOCH: S2-internal, S2-external

HIS204 Crime and Punishment Since 1700 - 3 points  
Not available this year

HIS250 Hollywood and History - 3 points  
MURDOCH: S2-internal, S2-external

HIS258 Soldiers and Civilians: War in the Pacific 1941-1945 - 3 points  
MURDOCH: S1-internal, S1-external

HIS257 Spies, Saboteurs and Secret Agents - 3 points  
Not available this year

HIS302 Australia and its Asian Context - 3 points  
Not available this year

HIS310 Modern Japanese History - 3 points  
Not available this year

HIS324 Rebirth of Europe 1945-2001 - 3 points  
MURDOCH: S1-internal, S1-external

HIS300 Creating History - 3 points  
Not available this year

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## MOLECULAR BIOLOGY

### *School of Veterinary and Life Sciences*

#### **Parent Major:**

Molecular Biology

#### **Excluded Majors:**

Molecular Biology

### **Minor Structure - 12 credit points**

#### **Part I - 6 credit points**

##### **Core Units - 6 credit points**

BIO152 Foundations of Cell and Molecular Biology - 3 points  
MURDOCH: S2-internal

CHE140 Fundamentals of Chemistry - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

#### **Part II - 6 credit points**

##### **Core Units - 6 credit points**

BIO282 Molecular Biology - 3 points  
MURDOCH: S1-internal

BIO394 Genetic Engineering - 3 points  
Not available this year

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## NETWORK DESIGN

### *School of Engineering and Information Technology*

#### **Parent Major:**

Internetworking and Network Security

#### **Excluded Majors:**

Internetworking and Network Security

### **Minor Structure - 12 credit points**

#### **Part I - 3 credit points**

##### **Core Unit - 3 credit points**

ICT169 Foundations of Data Communications - 3 points  
MURDOCH: S2-internal, S2-external

#### **Part II - 9 credit points**

##### **Core Units - 9 credit points**

ICT291 Network Design and Implementation - 3 points  
MURDOCH: S1-internal

ICT369 Wireless and Interactive Networks - 3 points  
Not available this year

ICT372 Advanced Network Design and Implementation - 3 points  
Not available this year

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## NEUROSCIENCE

### *School of Psychology and Exercise Science*

#### **Parent Major:**

Cognitive Neuroscience and Health Psychology

### **Minor Structure - 12 credit points**

#### **Part I - 3 credit points**

##### **Core Unit - 3 credit points**

Select from the following:

PSY141 Introduction to Psychological Science - 3 points  
MURDOCH: S1-internal, S2-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

PSY173 Introduction to Psychological Research Methods - 3 points  
MURDOCH: S2-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

PSY172 Introduction to Psychological Health and Wellbeing - 3 points  
MURDOCH: S2-internal

**Part II - 9 credit points****Core Units - 9 credit points**

PSY388 Psychology: Abnormal Behaviour - 3 points  
Not available this year

PSY294 Psychology: Cognitive Processes - 3 points  
MURDOCH: S1-internal

PSY251 Psychology: Biological Bases of Behaviour - 3 points  
MURDOCH: S1-internal

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**ORGANIC AND BIOLOGICAL CHEMISTRY***School of Engineering and Information Technology***Parent Major:**

Chemistry

**Excluded Majors:**

Chemistry

**Minor Structure - 12 credit points****Part I - 3 credit points****Core Unit - 3 credit points**

CHE145 Introduction to Chemical Concepts - 3 points  
MURDOCH: S2-internal, S2-external

**Part II - 9 credit points****Core Units - 6 credit points**

CHE205 Organic and Biological Chemistry I - 3 points  
MURDOCH: S2-internal, S2-external

CHE308 Organic and Biological Chemistry II - 3 points  
Not available this year

**Specified Electives - 3 credit points**

Select from the following:

CHE207 Chemical Analysis - 3 points  
MURDOCH: S1-internal, S1-external

CHE309 Advanced Projects in Chemistry and Mineral Science - 3 points  
Not available this year

BIO247 Biochemistry I - 3 points  
MURDOCH: S2-internal

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**ORGANISATIONAL PSYCHOLOGY***School of Psychology and Exercise Science***Parent Major:**

Social and Developmental Psychology

**Minor Structure - 15 credit points****Part I - 3 credit points****Core Unit - 3 credit points**

Select from the following:

PSY171 Introduction to Applications of Psychology - 3 points  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

PSY141 Introduction to Psychological Science - 3 points  
MURDOCH: S1-internal, S2-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

PSY173 Introduction to Psychological Research Methods - 3 points  
MURDOCH: S2-internal

KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

**Part II - 12 credit points****Core Units - 12 credit points**

PSY248 Psychology: Social Bases of Behaviour - 4 points  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

OR

PSY285 Psychology: Social Bases of Behaviour - 3 points  
MURDOCH: S1-internal

PSY217 Psychology: Work and Organisations - 4 points  
KAPLAN-SGP: TJA-internal, TSA-internal

PSY357 Psychology: Safety, Errors and Accidents - 4 points  
KAPLAN-SGP: TMA-internal

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**PHILOSOPHY***School of Arts***Parent Major:**

Philosophy

**Excluded Majors:**

Philosophy

**Minor Structure - 12 credit points****Part I - 3 credit points****Specified Electives - 3 credit points**

Select from the following:

PHL130 Introduction to Philosophy - 3 points  
MURDOCH: S2-internal, S2-external

PHL131 Critical and Creative Thinking - 3 points  
MURDOCH: S1-internal, S1-external

**Part II - 9 credit points****Core Units - 9 credit points**

PHL207 Existence and Freedom - 3 points  
Not available this year

PHL205 Critical Metaphysics - 3 points  
MURDOCH: S1-internal, S1-external

PHL317 Meaning and Interpretation - 3 points  
Not available this year

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**PHOTOGRAPHY***School of Arts***Parent Major:**

Photography

**Minor Structure - 12 credit points****Part I - 6 credit points****Core Units - 6 credit points**

PHO124 Photography 1 - 3 points  
MURDOCH: S1-internal (quota of 120 places), S2-internal (quota of 120 places)

PHO101 Digital Imaging - 3 points  
MURDOCH: S2-internal (quota of 70 places)

**Part II - 6 credit points****Core Units - 6 credit points**



PHO203 Photography 2 - 3 points

MURDOCH: S1-internal

PHO204 Visual Literacy - 3 points

MURDOCH: S1-internal

---

## POLITICS AND INTERNATIONAL STUDIES

*School of Management and Governance*

**Parent Major:**

Politics and International Studies

**Excluded Majors:**

Politics and International Studies

### Minor Structure - 12 credit points

#### Part I - 3 credit points

**Core Unit - 3 credit points**

POL133 Introduction to Politics - 3 points

MURDOCH: S1-internal, S1-external

#### Part II - 9 credit points

**Core Units - 9 credit points**

POL227 Controversies in Australian Politics - 3 points

MURDOCH: S1-internal, S1-external

POL224 International Relations Theory and Practice - 3 points

MURDOCH: S1-internal, S1-external

POL344 Australian Foreign and Security Policy - 3 points

Not available this year

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## POPULAR CULTURE, INDIGENEITY AND NATIONHOOD

*School of Arts*

**Parent Major:**

Australian Indigenous Studies

**Excluded Majors:**

Australian Indigenous Studies

### Minor Structure - 12 credit points

#### Part I - 6 credit points

**Core Units - 6 credit points**

AIS110 Introduction to Indigenous Popular Culture - 3 points

MURDOCH: S2-internal, S2-external

CMS102 Contemporary Culture - 3 points

MURDOCH: S2-internal, S2-external

#### Part II - 6 credit points

**Core Unit - 3 credit points**

AIS356 Reading Reconciliation - 3 points

Not available this year

**Specified Electives - 3 credit points**

Select from the following:

EGL235 Australian Literature and Film - 3 points

MURDOCH: S1-internal, S1-external

IND371 Media, Culture and Politics in Indonesia - 3 points

Not available this year

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## PRINT DESIGN

*School of Arts*

**Parent Major:**

Graphic Design

**Excluded Majors:**

Graphic Design

### Minor Structure - 12 credit points

#### Part I - 6 credit points

**Core Units - 6 credit points**

IDD129 Introduction to Digital Media Skills - 3 points

MURDOCH: S1-internal

IDD118 Introduction to Graphic Design - 3 points

MURDOCH: S2-internal

#### Part II - 6 credit points

**Core Units - 6 credit points**

IDD202 Brand and Identity Design - 3 points

MURDOCH: S1-internal

IDD201 Publication Design - 3 points

MURDOCH: S2-internal

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## PUBLIC RELATIONS

*School of Arts*

**Parent Major:**

Public Relations

### Minor Structure - 12 credit points

#### Part I - 3 credit points

**Core Unit - 3 credit points**

PRO107 Introduction to Public Relations - 3 points

MURDOCH: S1-internal

#### Part II - 9 credit points

**Core Units - 6 credit points**

PRO259 Media Relations - 3 points

MURDOCH: S1-internal

PRO204 Public Relations Strategy - 3 points

MURDOCH: S2-internal

**Specified Electives - 3 credit points**

Select from the following:

PRO345 Issues and Crisis Management - 3 points

Not available this year

PRO307 Campaign Management - 3 points

Not available this year

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## RADIO

*School of Arts*

**Parent Major:**

Radio

**Excluded Majors:**

Radio

**Minor Structure - 12 credit points****Part I - 3 credit points****Core Unit - 3 credit points**

RAD105 Introduction to Radio - 3 points  
MURDOCH: S2-internal (quota of 80 places)

**Part II - 9 credit points****Core Units - 9 credit points**

RAD244 Radio Presenting and Producing - 6 points  
MURDOCH: S1-internal (quota of 40 places)

RAD301 Creative Radio - 3 points  
Not available this year

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**RELIGION***School of Arts***Parent Major:**

Religion

**Minor Structure - 12 credit points****Part I - 3 credit points****Core Unit - 3 credit points**

REL101 World Religions - 3 points  
MURDOCH: S2-internal, S2-external

**Part II - 9 credit points****Core Unit - 3 credit points**

REL202 Approaches to the Study of Religion - 3 points  
MURDOCH: S2-internal, S2-external

**Specified Electives - 6 credit points**

Select from the following:

REL203 Death and the Afterlife in Ancient Egypt and Mesopotamia - 3 points  
MURDOCH: S2-internal, S2-external

REL204 Introduction to the Bible - 3 points  
Not available this year

REL205 Mysteries, Magic, and Myths - 3 points  
MURDOCH: S1-internal, S1-external

ALS241 Indigenous Spirituality and Well-Being - 3 points  
Not available this year

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**RESOURCE MANAGEMENT***School of Veterinary and Life Sciences***Parent Major:**

Environmental Science

**Excluded Majors:**

Environmental Management and Sustainability

**Excluded Minors:**

Fisheries Science

**Minor Structure - 12 credit points****Part I - 3 credit points****Core Unit - 3 credit points**

BIO103 Introduction to Environmental Biology - 3 points  
MURDOCH: S1-internal, S1-external

OR

BIO180 Introduction to Marine Biology - 3 points  
MURDOCH: S1-internal

**Part II - 9 credit points****Core Units - 9 credit points**

BIO249 Sustainable Management of Fish and Wildlife - 3 points  
MURDOCH: S1-internal

ENV303 GIS for Environmental Management and Planning - 3 points  
MURDOCH: S2-internal, S2-external

ENV246 Protected Area Management and Planning - 3 points  
MURDOCH: S1-internal, S1-external

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**SCREEN PRODUCTION***School of Arts***Parent Major:**

Screen Production

**Excluded Majors:**

Screen Production

**Minor Structure - 12 credit points****Part I - 3 credit points****Core Unit - 3 credit points**

SCR101 Screen Production 1 - 3 points  
MURDOCH: S1-internal (quota of 102 places)

**Part II - 9 credit points****Core Units - 6 credit points**

SCR200 Writing for the Screen - 3 points  
MURDOCH: S1-internal

PHO204 Visual Literacy - 3 points  
MURDOCH: S1-internal

**Specified Electives - 3 credit points**

Select from the following:

SCR304 Documentary Production - 3 points  
MURDOCH: S2-internal

SCR201 Screen Production 2 - 3 points  
MURDOCH: S1-internal

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**SECURITY, TERRORISM AND COUNTERTERRORISM***School of Management and Governance***Parent Major:**

Security, Terrorism and Counterterrorism Studies

**Excluded Majors:**

Security, Terrorism and Counterterrorism Studies

**Minor Structure - 12 credit points****Part I - 3 credit points****Core Unit - 3 credit points**

POL192 Perspectives on Security and Terrorism - 3 points  
MURDOCH: S1-internal, S1-external

**Part II - 9 credit points**

**Core Units - 9 credit points**

POL234 Terrorism in a Globalised World - 3 points  
MURDOCH: S1-internal, S1-external

POL236 US Policies and Global Security - 3 points  
MURDOCH: S1-internal, S1-external

POL344 Australian Foreign and Security Policy - 3 points  
Not available this year

**SOCIAL, CULTURAL AND LITERARY THEORY**

**School of Arts**

**Parent Major:**

Australian Indigenous Studies

**Minor Structure - 12 credit points****Part II - 12 credit points****Core Units - 12 credit points**

AIS307 Indigeneity, Critical Theory and Social Justice - 3 points  
Not available this year

PHL317 Meaning and Interpretation - 3 points  
Not available this year

EGL346 Literary Theory - 3 points  
Not available this year

AST312 Anthropology, Society and Culture - 3 points  
Not available this year

**SOCIAL JUSTICE IN CONTEMPORARY CULTURE**

**School of Arts**

**Parent Major:**

Communication and Media Studies

**Excluded Majors:**

Communication and Media Studies

**Minor Structure - 12 credit points****Part I - 3 credit points****Core Unit - 3 credit points**

CMS102 Contemporary Culture - 3 points  
MURDOCH: S2-internal, S2-external

**Part II - 9 credit points****Core Units - 6 credit points**

AIS303 Indigeneity, Critical Theory and Social Justice - 4 points  
MURDOCH: S2-internal, S2-external

CMS304 Communicating Global Issues - 3 points  
Not available this year

**Specified Electives - 3 credit points**

Select from the following:

AST288 Women in Asian Societies - 3 points  
MURDOCH: S2-internal, S2-external

POL226 Sex and Gender Matters - 3 points  
MURDOCH: S2-internal, S2-external

**SOCIAL PSYCHOLOGY**

**School of Psychology and Exercise Science**

**Parent Major:**

Social and Developmental Psychology

**Minor Structure - 15 credit points****Part I - 3 credit points****Core Unit - 3 credit points**

Select from the following:

PSY171 Introduction to Applications of Psychology - 3 points  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

PSY141 Introduction to Psychological Science - 3 points  
MURDOCH: S1-internal, S2-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

PSY173 Introduction to Psychological Research Methods - 3 points  
MURDOCH: S2-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

**Part II - 12 credit points****Core Units - 12 credit points**

PSY248 Psychology: Social Bases of Behaviour - 4 points  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

OR

PSY285 Psychology: Social Bases of Behaviour - 3 points  
MURDOCH: S1-internal

PSY218 Psychology: Self and Society - 4 points  
(no longer available)

OR

PSY287 Psychology: Self and Society - 3 points  
MURDOCH: S2-internal

PSY246 Psychology: Culture and Community - 4 points  
(no longer available)

OR

PSY356 Psychology: Family Relations and Social Development - 4 points  
MURDOCH: S2-internal

OR

PSY392 Psychology: Family Relations and Social Development - 3 points  
Not available this year

**SOCIAL AND DEVELOPMENTAL PSYCHOLOGY**

**School of Psychology and Exercise Science**

**Parent Major:**

Social and Developmental Psychology

**Minor Structure - 12 credit points****Part I - 3 credit points****Core Unit - 3 credit points**

Select from the following:

PSY141 Introduction to Psychological Science - 3 points  
MURDOCH: S1-internal, S2-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

PSY173 Introduction to Psychological Research Methods - 3 points  
MURDOCH: S2-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

PSY101 Introduction to Cultural and Community Psychology - 3 points  
MURDOCH: S1-internal

## Part II - 9 credit points

### Core Units - 9 credit points

PSY286 Psychology: Human Development - 3 points  
MURDOCH: S2-internal

PSY285 Psychology: Social Bases of Behaviour - 3 points  
MURDOCH: S1-internal

PSY287 Psychology: Self and Society - 3 points  
MURDOCH: S2-internal

OR

PSY393 Psychology: The Developing Mind - 3 points  
Not available this year

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## SOUND PRODUCTION

### School of Arts

#### Parent Major:

Sound

#### Excluded Majors:

Sound

### Minor Structure - 12 credit points

#### Part I - 6 credit points

##### Core Units - 6 credit points

SOU101 Introduction to Audio Production - 3 points  
MURDOCH: S2-internal (quota of 90 places)

SOU169 Introduction to Sound Studies - 3 points  
MURDOCH: S1-internal

#### Part II - 6 credit points

##### Core Units - 6 credit points

SOU268 Music Technology - 3 points  
MURDOCH: S1-internal (quota of 60 places)

SOU214 Sound Production - 3 points  
MURDOCH: S2-internal (quota of 60 places)

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## SOUND STUDIES

### School of Arts

#### Parent Major:

Sound

#### Excluded Majors:

Sound

### Minor Structure - 12 credit points

#### Part I - 6 credit points

##### Core Units - 6 credit points

SOU101 Introduction to Audio Production - 3 points

MURDOCH: S2-internal (quota of 90 places)

SOU169 Introduction to Sound Studies - 3 points  
MURDOCH: S1-internal

## Part II - 6 credit points

### Core Units - 6 credit points

RAD374 Popular Music - 3 points  
MURDOCH: S2-internal

SOU377 Soundtrack - 3 points  
Not available this year

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## SPORT PSYCHOLOGY

### School of Psychology and Exercise Science

#### Parent Major:

Social and Developmental Psychology

### Minor Structure - 12 credit points

#### Part I - 3 credit points

##### Core Unit - 3 credit points

Select from the following:

PSY141 Introduction to Psychological Science - 3 points  
MURDOCH: S1-internal, S2-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

PSY173 Introduction to Psychological Research Methods - 3 points  
MURDOCH: S2-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

PSY101 Introduction to Cultural and Community Psychology - 3 points  
MURDOCH: S1-internal

#### Part II - 9 credit points

##### Core Units - 9 credit points

PSY285 Psychology: Social Bases of Behaviour - 3 points  
MURDOCH: S1-internal

EXS201 Sports Psychology - 3 points  
MURDOCH: S1-internal

EXS301 Advanced Sports Psychology - 3 points  
Not available this year

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## SUSTAINABILITY, ECOSYSTEMS AND COMMUNITY DEVELOPMENT

### School of Management and Governance

#### Parent Major:

Sustainable Development

### Minor Structure - 12 credit points

#### Part I - 3 credit points

##### Core Unit - 3 credit points

BIO103 Introduction to Environmental Biology - 3 points  
MURDOCH: S1-internal, S1-external

#### Part II - 9 credit points

##### Core Units - 6 credit points

SUS203 Sustainability, Ecology and Communities - 3 points  
MURDOCH: S1-internal, S1-external

COD302 Creative Ways to Work with Community - 3 points

MURDOCH: S2-internal, S2-external

### **Specified Electives - 3 credit points**

Select from the following:

BIO257 Biodiversity - 3 points  
MURDOCH: S2-internal

ENV241 Ecology - 3 points  
MURDOCH: S2-internal, S2-external

ENG300 Environmental Technology for Sustainability - 3 points  
Not available this year

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## **SUSTAINABLE DEVELOPMENT**

### **School of Management and Governance**

#### **Parent Major:**

Sustainable Development

#### **Excluded Minors:**

Environmental Issues

### **Minor Structure - 12 credit points**

#### **Part I - 3 credit points**

##### **Core Unit - 3 credit points**

SUS100 Introduction to Sustainable Development - 3 points  
MURDOCH: S2-internal, S2-external

#### **Part II - 9 credit points**

##### **Core Units - 6 credit points**

SUS203 Sustainability, Ecology and Communities - 3 points  
MURDOCH: S1-internal, S1-external

ENV245 Global and Regional Sustainability - 3 points  
MURDOCH: S2-internal, S2-external

#### **Specified Electives - 3 credit points**

Select from the following:

SUS305 Economics of Sustainability - 3 points  
Not available this year

SUS310 Sustainable Urban Communities - 3 points  
Not available this year

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## **THEATRE AND DRAMA**

### **School of Arts**

#### **Parent Major:**

Theatre and Drama

#### **Excluded Majors:**

Theatre and Drama

### **Minor Structure - 12 credit points**

#### **Part I - 3 credit points**

##### **Core Unit - 3 credit points**

EGL106 Drama, Theatre and Performance - 3 points  
MURDOCH: S2-internal

#### **Part II - 9 credit points**

##### **Core Units - 6 credit points**

EGL239 Acting and Production I - 3 points  
MURDOCH: S1-internal

EGL236 Performance and Creative Arts - 3 points

MURDOCH: S2-internal

### **Specified Electives - 3 credit points**

Select from the following:

EGL240 Children's Theatre - 3 points  
MURDOCH: S1-internal

EGL342 Comparative Theatre - 3 points  
Not available this year

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## **TOURISM**

### **School of Arts**

#### **Parent Major:**

Tourism and Events

#### **Excluded Majors:**

Tourism and Events

#### **Excluded Minors:**

Events

### **Minor Structure - 12 credit points**

#### **Part I - 6 credit points**

##### **Core Units - 6 credit points**

TOU101 Introduction to Tourism Systems - 3 points  
MURDOCH: S1-internal, S1-external

TOU102 Travel and Tourism in Society - 3 points  
MURDOCH: S2-internal, S2-external  
KAPLAN-SGP: TMA-internal

#### **Part II - 6 credit points**

##### **Core Unit - 3 credit points**

TOU221 Sustainable Tourism - 3 points  
MURDOCH: S1-internal, S1-external

#### **Specified Electives - 3 credit points**

Select from the following:

TOU230 Cultural Tourism Interpretation - 3 points  
MURDOCH: S2-internal, S2-external

TOU231 Indigenous Tourism Issues - 3 points  
Not available this year

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## **WEB DESIGN**

### **School of Arts**

#### **Parent Major:**

Graphic Design

#### **Excluded Majors:**

Graphic Design

### **Minor Structure - 12 credit points**

#### **Part I - 6 credit points**

##### **Core Units - 6 credit points**

IDD129 Introduction to Digital Media Skills - 3 points  
MURDOCH: S1-internal

IDD118 Introduction to Graphic Design - 3 points  
MURDOCH: S2-internal

#### **Part II - 6 credit points**

**Core Unit - 3 credit points**

WEB263 Web Design - 3 points  
MURDOCH: S1-internal

**Specified Electives - 3 credit points**

Select from the following:

IDD338 Advanced Web Design - 3 points  
Not available this year

IDD379 Mobile App and Interaction Design - 3 points  
Not available this year

WEB303 Business of Freelancing - 3 points  
Not available this year

WEB302 Web Metrics - 3 points  
Not available this year

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## WEB DEVELOPMENT

**School of Engineering and Information Technology****Parent Major:**

Mobile and Web Application Development

**Excluded Majors:**

Mobile and Web Application Development

**Minor Structure - 12 credit points****Part I - 3 credit points****Core Unit - 3 credit points**

ICT159 Foundations of Programming - 3 points  
MURDOCH: S1-internal, S1-external

**Part II - 9 credit points****Core Units - 9 credit points**

ICT286 Web and Mobile Computing - 3 points  
MURDOCH: S2-internal, S2-external

ICT375 Advanced Web Programming - 3 points  
Not available this year

ICT376 Mobile Application Development - 3 points  
Not available this year

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## WEB STRATEGY

**School of Arts****Parent Major:**

Web Communication

**Excluded Majors:**

Web Communication

**Minor Structure - 12 credit points****Part I - 6 credit points****Core Units - 6 credit points**

PRO101 Introduction to Social Media - 3 points  
MURDOCH: S2-internal

PRO107 Introduction to Public Relations - 3 points  
MURDOCH: S1-internal

**Part II - 6 credit points****Core Unit - 3 credit points**

WEB278 Web Strategy - 3 points  
MURDOCH: S2-internal

**Specified Electives - 3 credit points**

Select from the following:

# Graduate Courses

## Cancellation of Courses, Majors, Minors and Units

The University reserves the right to cancel, without notice, any course, major, minor or unit if the number of students enrolled falls below limits set by the University or in other unforeseen circumstances.

Group	Course	Offerings
<b>Graduate Coursework Degrees and Professional Doctorates</b>		
<b>Accounting</b>	Master of Professional Accounting (MPA)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external)</li> </ul>
	Master of Professional Accounting (Offshore) (MPA)	<ul style="list-style-type: none"> <li>• Kaplan Higher Education Institute and Kaplan Higher Education Academy (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English)</li> </ul>
<b>Asian Studies</b>	Graduate Certificate in Asian Studies (GradCertAsianSt)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> <li>• This course is not normally available to international students studying in Australia on a student visa, due to visa regulations. However, exceptions can be made, conditional on undertaking certain units: contact The Student Centre for details. It is available to international students on other visas if visa conditions allow.</li> </ul>
	Graduate Diploma in Asian Studies (GradDipAsianSt)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external) (all but one unit)</li> </ul>
	Master of Asian Studies (MAsianSt)	<ul style="list-style-type: none"> <li>• Not currently available to new admissions</li> </ul>
<b>Business Administration</b>	Graduate Certificate in Business Administration (GradCertBusAdmin)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Graduate Certificate in Business Administration (MasterClass) (GradCertBusAdmin)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Only available to international students who are studying concurrently in a Bachelor's degree on a full-time load.</li> </ul>
	Graduate Diploma in Business Administration (GradDipBusAdmin)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Master of Business Administration (MBA)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Master of Business Administration (Offshore) (MBA)	<ul style="list-style-type: none"> <li>• SMF Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English) (not available to new admissions at this location)</li> <li>• Kaplan Higher Education Institute and Kaplan Higher Education Academy (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English)</li> <li>• Murdoch University International Study Centre (Dubai, UAE) ['DUBAI-ISC'] (internal) (by formal agreement) (language of instruction: English)</li> </ul>
<b>Chinese Law</b>	Graduate Certificate in Chinese Law (GradCertChinLaw)	<ul style="list-style-type: none"> <li>• East China University of Political Science and Law (Shanghai, China) ['CHN1'] (internal) (by formal agreement) (language of instruction: English)</li> </ul>
<b>Communication and Media Studies</b>	Master of Communication Management (MCommM)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Community Development</b>	Graduate Certificate in Community Development (GradCertCommDev)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> <li>• International students must commence in Semester 2 only.</li> </ul>
	Graduate Diploma in Community Development (GradDipCommDev)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external) (all but one unit)</li> </ul>

Group	Course	Offerings
	Master of Community Development (MCommDev)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>Counselling</b>	Graduate Certificate in Counselling (GradCertCounsel)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Peel campus (internal)</li> </ul>
	Graduate Diploma in Counselling (GradDipCounsel)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
	Master of Counselling (MCounsel)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Development Studies</b>	Graduate Certificate in Development Studies (GradCertDS)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• International students must commence in Semester 1 only.</li> </ul>
	Master of Development Studies (MDS)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Early Childhood Education</b>	Graduate Certificate in Early Childhood Education (GradCertEarlyChildEd)	<ul style="list-style-type: none"> <li>• Murdoch campus (external) (except for school experiences)</li> <li>• Some units only: Murdoch campus (internal)</li> </ul>
<b>Education</b>	Graduate Diploma in Education (Secondary) (GradDipEd)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external)</li> </ul>
	Master of Education (Coursework) (MEd)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Master of Education (Coursework) (Offshore) (MEd)	<ul style="list-style-type: none"> <li>• Murdoch University International Study Centre (Dubai, UAE) ['DUBAI-ISC'] (internal) (by formal agreement) (language of instruction: English)</li> </ul>
	Master of Teaching (Primary) (MTeachPrim)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external)</li> </ul>
<b>Energy Studies</b>	Graduate Certificate in Energy Studies (GradCertEnSt)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> <li>• International Online (Australia) ['INT-ONLINE'] (external) (International offshore students only)</li> </ul>
	Graduate Diploma in Energy Studies (GradDipEnSt)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> <li>• International Online (Australia) ['INT-ONLINE'] (external) (International offshore students only)</li> </ul>
	Master of Renewable Energy (MRENEn)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> <li>• International Online (Australia) ['INT-ONLINE'] (external) (International offshore students only)</li> </ul>
<b>Energy and the Environment</b>	Graduate Diploma in Energy and the Environment (GradDipEnEnv)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>Engineering</b>	Graduate Diploma in Engineering (GradDipEng)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
	Master of Engineering (ME)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Environmental Assessment and Management</b>	Graduate Certificate in Environmental Assessment and Management (GradCertEnvAsstMan)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> <li>• International students must commence in Semester 1 only.</li> </ul>
<b>Environmental Management</b>	Graduate Certificate in Protected Area Administration (GradCertPAAAdmin)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Master of Protected Area Management (MPAMan)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>Environmental Science</b>	Graduate Certificate in Environmental Science (GradCertEnvSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external) (some attendance is required in individual units)</li> <li>• International students must commence in Semester 2 only.</li> </ul>
	Graduate Diploma in Environmental Science (GradDipEnv)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external) (all but one unit)</li> </ul>
	Master of Environmental Science (MEnvSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>



Group	Course	Offerings
<b>Extractive Metallurgy</b>	Graduate Diploma in Extractive Metallurgy (GradDipExtMet)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>Food Security</b>	Master of Food Security (MFoodSec)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external) (all but one unit)</li> </ul>
<b>Forensic Science</b>	Graduate Certificate in Forensic Science (Professional Practice) (GradCertForSc(ProfessionalPractice))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Health</b>	Graduate Certificate in Health Care Management (GradCertHCM)	<ul style="list-style-type: none"> <li>• Murdoch campus (external)</li> </ul>
	Master of Health Care Management (MHCM)	<ul style="list-style-type: none"> <li>• Murdoch campus (external)</li> <li>• Some units only: Murdoch campus (internal)</li> </ul>
<b>Human Resources Management</b>	Graduate Certificate in Human Resources Management (GradCertHRM)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> <li>• International students must commence in Semester 1 only.</li> </ul>
	Graduate Diploma in Human Resources Management (GradDipHRM)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Master of Human Resource Management (Offshore) (MHRM)	<ul style="list-style-type: none"> <li>• Kaplan Higher Education Institute and Kaplan Higher Education Academy (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English)</li> <li>• Murdoch University International Study Centre (Dubai, UAE) ['DUBAI-ISC'] (internal) (by formal agreement) (language of instruction: English)</li> </ul>
	Master of Human Resources Management (MHRM)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>Human Resources and Safety</b>	Graduate Certificate in Human Resources and Safety (GradCertHRS)	<ul style="list-style-type: none"> <li>• Murdoch campus (external)</li> <li>• This course is not available to international students studying in Australia on a student visa; it is available to international students on other visas if visa conditions allow.</li> </ul>
<b>Information Technology</b>	Graduate Certificate in Information Technology (GradCertIT)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external)</li> </ul>
	Graduate Diploma in Information Technology Management (GradDipITMan)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
	Graduate Diploma in Internetworking and Security (GradDipIntwkSecur)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
	Master of Information Technology (MIT)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>International Affairs</b>	Master of International Affairs (MIA)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Law</b>	Graduate Certificate in Legal Practice (GradCertLP)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• This course is not available to International students studying in Australia.</li> </ul>
<b>Marketing</b>	Graduate Certificate in International Marketing (GradCertIM)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• This course is not available to international students studying in Australia on a student visa; it is available to international students on other visas if visa conditions allow.</li> </ul>
<b>Media Production</b>	Graduate Certificate in Media Production (GradCertMedProd)	<ul style="list-style-type: none"> <li>• Not currently available to new admissions</li> </ul>
	Graduate Diploma in Media Production (GradDipMedProd)	<ul style="list-style-type: none"> <li>• Not currently available to new admissions</li> </ul>
<b>Migration Law</b>	Graduate Certificate in Australian Migration Law and Practice (GradCertAusMigLaw)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Plant Biosecurity</b>	Graduate Certificate in Plant Biosecurity (GradCertPlantBiosec)	<ul style="list-style-type: none"> <li>• Murdoch campus (external)</li> <li>• International students must commence in Semester 1 only.</li> </ul>

Group	Course	Offerings
	Graduate Diploma in Plant Biosecurity (GradDipPlantBiosec)	• Murdoch campus (external)
	Master of Plant Biosecurity (MPlantBiosec)	• Murdoch campus (external)
<b>Policy Studies</b>	Graduate Certificate in Health Policy and Leadership (GradCertHPL)	• Murdoch campus (internal)
<b>Psychology</b>	Graduate Diploma in Consultancy Psychology (GradDipConsultPsych)	• Murdoch campus (external) • Some units only: Murdoch campus (internal)
	Graduate Diploma in Psychology (GradDipPsych)	• Murdoch campus (internal)
	Master of Applied Psychology (Clinical Psychology) (MAppPsych)	• Murdoch campus (internal)
	Master of Applied Psychology (Organisational Psychology) (MAppPsych)	• Murdoch campus (internal) (all but four units which are only available externally) • Some units only: Murdoch campus (external)
	Master of Applied Psychology (Professional) (MAppPsych(Professional))	• Murdoch campus (internal)
	Master of Applied Psychology + Doctor of Philosophy (MAppPsych+PhD)	• Murdoch campus (internal)
	Doctor of Psychology (Clinical Psychology) (DPsych)	• Murdoch campus (internal)
	Doctor of Psychology (Organisational Psychology) (DPsych)	• Murdoch campus (internal)
<b>Public Policy and Management</b>	Graduate Certificate in Public Policy and Management (GradCertPPM)	• Murdoch campus (internal) • International students must commence in Semester 1 only.
	Master of Public Policy and Management (MPPM)	• Murdoch campus (internal)
<b>Sustainability</b>	Graduate Certificate in Sustainable Development (GradCertSustDev)	• Murdoch campus (internal) • Murdoch campus (external) • International students must commence in Semester 1 only.
	Master of Sustainable Development (MSustDev)	• Murdoch campus (internal) • Murdoch campus (external)
<b>Tertiary and Adult Education</b>	Graduate Certificate in Tertiary and Adult Education (GradCertTerAdEd)	• Murdoch campus (internal) • Murdoch campus (external)
	Graduate Diploma in Education (Tertiary and Adult) (GradDipEd)	• Murdoch campus (internal) • Murdoch campus (external)
<b>Theology</b>	Graduate Certificate in Theology (GradCertTheol)	• Murdoch campus (internal) • Murdoch campus (external)
	Graduate Diploma in Chaplaincy (GradDipChap)	• Murdoch campus (internal) • Murdoch campus (external)
	Graduate Diploma in Theology (GradDipTheol)	• Murdoch campus (internal) • Murdoch campus (external)
	Master of Divinity (MDiv)	• Murdoch campus (internal) • Murdoch campus (external)
<b>Veterinary Science</b>	Master of Veterinary Clinical Studies (MVetClinStud)	• Murdoch campus (internal) • This course is not available to International students.
	Master of Veterinary Studies (Conservation Medicine) (MVS)	• Murdoch campus (internal) (subject to approval of Academic Chair) • Murdoch campus (external)
	Master of Veterinary Studies (Small Animal Practice) (MVS)	• Not currently available to new admissions • This course is not available on campus and so is not available to international students studying in Australia on a student visa; however, graduate students who have successfully completed the Postgraduate Certificate in Small Animal Practice (International) (C1087) are eligible to apply for external study only.

Group	Course	Offerings
	Master of Veterinary Studies (Veterinary Surveillance) (MVS)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>Web Communication</b>	Graduate Diploma in Web Communication (GradDipWebComm)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Wildlife Health and Conservation</b>	Master of Wildlife Health and Conservation (MWildlifeHth)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
Group	Course	Offerings
<b>Graduate Research Degrees</b>		
<b>Education</b>	Master of Education (Research) (MEd(Res))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Doctor of Education (EdD)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>Information Technology</b>	Doctor of Information Technology (DIT)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external)</li> </ul>
<b>Law</b>	Master of Laws by Research (LLM(Res))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external) (subject to approval on a case-by-case basis)</li> </ul>
<b>Psychology</b>	Master of Applied Psychology + Doctor of Philosophy (MAppPsych+PhD)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Research Degrees - General</b>	Master of Philosophy (MPhil)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> <li>• Peel campus (internal)</li> <li>• Peel campus (external)</li> <li>• Rockingham campus (internal)</li> <li>• Rockingham campus (external)</li> </ul>
	Research Masters (with Training)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> <li>• Peel campus (internal)</li> <li>• Peel campus (external)</li> <li>• Rockingham campus (internal)</li> <li>• Rockingham campus (external)</li> </ul>
	Doctor of Philosophy (PhD)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> <li>• Peel campus (internal)</li> <li>• Peel campus (external)</li> <li>• Rockingham campus (internal)</li> <li>• Rockingham campus (external)</li> </ul>
<b>Veterinary Science</b>	Doctor of Veterinary Medical Science (DVetMedSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>

## ACCOUNTING

### MASTER OF PROFESSIONAL ACCOUNTING (MPA)

School of Management and Governance

Master of Professional Accounting (MPA)

Course Codes: M1211

Duration: 2 years full-time (over 4 semesters) or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Some units only: Murdoch campus (external)

Restriction: All graduate courses are subject to restriction.

Accounting is an integral part of the management and governance of any enterprise. It acts as a decision-making aid by providing the information necessary for planning, control and performance evaluation. The stakeholders of an entity rely on the accounting information to assist in a variety of decisions including the acquisition or sale of shares, lending of funds and the provision of services or goods.

This course is aimed at students from any discipline seeking to acquire an accredited accounting qualification.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent training, or professional training. Students who have completed a degree with an accounting major from an Australian university will not be considered for admission.

English competence.

**Professional Recognition:**

CPA Australia, Institute of Chartered Accountants in Australia (ICAA) and Institute of Public Accountants (IPA).

### Course Structure - 48 credit points

#### Core Units - 48 credit points

MBS538 Organisational Behaviour and Management - 3 points

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MBS539 Accounting for Managers - 3 points

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MBL502 Law for Business - 3 points

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MBS645 Business Finance - 3 points

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MBS544 Accounting Processes - 3 points

MURDOCH: S1-internal, S2-internal

MBS678 Corporate Accounting - 3 points

MURDOCH: S2-internal

MBL509 Corporations and Securities Law - 3 points

MURDOCH: S1-internal

MBS614 Taxation - 3 points

MURDOCH: S2-internal

MBS669 Management Accounting - 3 points

MURDOCH: S1-internal

MBS679 Accounting Theory and Governance - 3 points

MURDOCH: S2-internal

MBS680 Auditing - 3 points

MURDOCH: S1-internal

MBS686 Economics and Business Strategy - 3 points

MURDOCH: S2-internal, S2-external

MBS643 Management and Governance Research Practicum - 6 points

MURDOCH: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

MBS520 Research Preparation for Business - 3 points

MURDOCH: S2-internal, S2-external, SUM-internal (closed)

MBS659 Quantitative Research for Business - 3 points

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

### MASTER OF PROFESSIONAL ACCOUNTING (OFFSHORE) (MPA)

School of Management and Governance

Master of Professional Accounting (MPA)

Course Codes: M1146

Duration: 4 trimesters full-time or part-time equivalent

**Availability:**

- Kaplan Higher Education Institute and Kaplan Higher Education Academy (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English)

Restriction: All graduate courses are subject to restriction.

Accounting is an integral part of the management and governance of any enterprise. It acts as a decision-making aid by providing the information necessary for planning, control and performance evaluation. The stakeholders of an entity rely on the accounting information to assist in a variety of decisions including the acquisition or sale of shares, lending of funds and the provision of services or goods.

This course is aimed at students from any discipline seeking to acquire an accredited accounting qualification.

**Admission Requirements (Offshore):**

Recognised Bachelor's degree or higher, or equivalent training, or professional training. Students who have completed a degree with an accounting major from an Australian university will not be considered for admission.

English competence.

**Professional Recognition:**

CPA Australia, Institute of Chartered Accountants in Australia (ICAA) and Institute of Public Accountants (IPA).

### Course Structure - 48 credit points

#### Core Units - 48 credit points

MBS513 Accounting for Managers - 4 points

KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

MBS622 Quantitative Methods for Business - 4 points

KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

MBS502 Law for Business - 4 points

KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

MBS605 Business Finance - 4 points

KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

MBS666 Economics and Business Strategy - 4 points

KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

MBS553 Accounting Processes - 4 points

KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

MBS632 Corporate Accounting - 4 points

KAPLAN-SGP: TMA-internal

MBS509 Company Law - 4 points  
KAPLAN-SGP: TJA-internal, TSA-internal

MBS514 Taxation - 4 points  
KAPLAN-SGP: TMA-internal

MBS627 Management Accounting - 4 points  
KAPLAN-SGP: TJA-internal, TSA-internal

MBS633 Accounting Theory and Governance - 4 points  
KAPLAN-SGP: TJA-internal, TSA-internal

MBS634 Auditing - 4 points  
KAPLAN-SGP: TMA-internal

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## ASIAN STUDIES

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### GRADUATE CERTIFICATE IN ASIAN STUDIES (GRADCERTASIANST)

School of Arts

*Graduate Certificate in Asian Studies (GradCertAsianSt)*

Course Codes: C1120

Duration: 1 semester full-time or part-time equivalent (depending on unit selection)

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)
- This course is not normally available to international students studying in Australia on a student visa, due to visa regulations. However, exceptions can be made, conditional on undertaking certain units: contact The Student Centre for details. It is available to international students on other visas if visa conditions allow.

*Restriction: All graduate courses are subject to restriction.*

This course provides the opportunity to study Asian culture, society, politics, media and environment. It is available to graduates of any discipline and aims to develop cultural literacy concerning the Asian region, of particular importance for teachers, journalists, aid workers, diplomats and other professionals whose careers require cross-cultural competence.

Graduates of the certificate are able to combine this qualification with in-country language studies or additional area studies units to obtain the Graduate Diploma in Asian Studies and progress to a Master of Arts by coursework.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher in any discipline, or satisfactory preparation through previous study or professional experience.

English competence.

**Special Requirements:**

There may be limited choice of units if completing this course in the external mode. Access to adequate library resources and to the Internet is essential for external students.

**Employment Prospects:**

Teaching, overseas aid and development, journalism, diplomacy

**Main Research Areas:**

Asia Research Centre

### Course Structure - 12 credit points

#### Core Units - 12 credit points

Select from the following:

JPN543 Semester in Japan - 12 points  
MURDOCH: S1-internal, S2-internal

OR

IND543 Semester in Indonesia - 12 points  
MURDOCH: S1-internal, S2-internal

OR

Select at least three units from the following:

AST558 Gender in Asian Societies - 3 points  
MURDOCH: S2-internal, S2-external

JPN514 Postwar Japan - 3 points  
Not available this year

AST530 Nations, Narratives, Cultures in Contemporary Asia - 3 points  
MURDOCH: S2-internal, S2-external

AST585 China Today - 3 points  
Not available this year

AST556 Perceptions of South-East Asian Society - 3 points  
Not available this year

AST531 Rise of Asia and Modern History - 3 points  
Not available this year

Plus one of the following units:

SWM512 Working in Development - 3 points  
MURDOCH: W-internal

SUS512 Sustainability, Ecology and Communities - 3 points  
MURDOCH: S1-internal, S1-external

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### GRADUATE DIPLOMA IN ASIAN STUDIES (GRADDIPASIANST)

School of Arts

*Graduate Diploma in Asian Studies (GradDipAsianSt)*

Course Codes: G1064

Duration: 1 year full-time or part-time equivalent subject to unit availability

**Availability:**

- Murdoch campus (internal)
- Some units only: Murdoch campus (external) (all but one unit)

*Restriction: All graduate courses are subject to restriction.*

For political, economic, environmental and cultural reasons, the countries of East and South-East Asia will play an increasingly important role in contemporary global change. The Graduate Diploma in Asian Studies offers the opportunity to study the literature, media, religion, history, politics, economics, sociology and anthropology of the Asian region.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent training, or satisfactory preparation through previous study or professional experience.

English competence.

**Employment Prospects:**

This course is intended to serve the career development needs of teachers and members of other professional groups in the areas of foreign affairs, law, public service, business, and journalism who require a broad interdisciplinary background in the Asian cultural, political and economic context.

**Further Study:**

Students who successfully complete the Graduate Diploma may apply for admission to the Master of Arts in Asian Studies and may be eligible for Advanced Standing.

## Course Structure - 24 credit points

### Core Units - 24 credit points

Students may take an Asian language unit as one of the core units, however the Academic Chair must be consulted to establish level of study.

With the approval of the Academic Chair, students with the relevant proficiency in either Indonesian or Japanese language may enrol in the semester in that country. Subject to Academic Chair approval, students may complete 12 or 24 points in country.

Select from the units below, with at least 9 points from the Asian Society and Culture list.

### Asian Society and Culture - 9 credit points

AST558 Gender in Asian Societies - 3 points  
MURDOCH: S2-internal, S2-external

AST530 Nations, Narratives, Cultures in Contemporary Asia - 3 points  
MURDOCH: S2-internal, S2-external

AST531 Rise of Asia and Modern History - 3 points  
Not available this year

JPN514 Postwar Japan - 3 points  
Not available this year

AST585 China Today - 3 points  
Not available this year

AST556 Perceptions of South-East Asian Society - 3 points  
Not available this year

### Language

JPN543 Semester in Japan - 12 points  
MURDOCH: S1-internal, S2-internal  
(Academic Chair must approve enrolment.)

IND543 Semester in Indonesia - 12 points  
MURDOCH: S1-internal, S2-internal

Students may also select an undergraduate-level unit in language and should consult with the Academic Chair to determine the appropriate level.

### Theoretical Comparative and Applied Context.

Select from the following:

COD545 Community Development Theory and Practice - 3 points  
MURDOCH: S1-internal, S1-external

SUS512 Sustainability, Ecology and Communities - 3 points  
MURDOCH: S1-internal, S1-external

SWM512 Working in Development - 3 points  
MURDOCH: W-internal

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## MASTER OF ASIAN STUDIES (MASIANST)

School of Arts

Master of Asian Studies (MASianSt)

Course Codes: M1216

Duration: 2 years full-time or part-time equivalent

### Availability:

- Not currently available to new admissions

Restriction: All graduate courses are subject to restriction.

The countries of East and South-East Asia will play an increasingly important role in global change in the twenty-first century. This course is intended to provide graduates of any discipline with training in the culture, politics, economics, history and environment of the Asian region.

### Admission Requirements (Onshore):

Recognised Bachelor's degree or higher in any discipline, or equivalent training, or satisfactory preparation through previous study or professional experience.

English competence.

### Employment Prospects:

This course is intended to serve the career development needs of teachers and members of other professional groups in the areas of foreign affairs, law, public service, business, and journalism who require a broad interdisciplinary background in the Asian cultural, political and economic context.

### Project/Dissertation:

The Masters offers a coursework-only program or a combination of coursework with a 4- or 8-point project or 12-point dissertation in the research stream.

### External Study:

Many of the units are available in the external mode, including the Indonesian language units.

### Nested Awards:

Students can opt out of the Master of Arts and exit with the Postgraduate Diploma in Asian Studies subject to satisfying the course requirements.

## Course Structure - 48 credit points

University regulations require completion of a minimum of 24 points at 600-level and a maximum of 24 points at 500-level for a 48-point Masters by Coursework degree.

### Year 1 - 24 credit points

#### Specified Electives - 24 credit points

Select from the following lists, with at least 9 points from Asian Society and Culture.

#### Asian Society and Culture - 9 credit points

Select from the following:

AST530 Nations, Narratives, Cultures in Contemporary Asia - 3 points

AST531 Rise of Asia and Modern History - 3 points

AST556 Perceptions of South-East Asian Society - 3 points

JPN514 Postwar Japan - 3 points

AST585 China Today - 3 points

AST558 Gender in Asian Societies - 3 points

#### Theoretical, Comparative and Applied Context

Select from the following:

COD545 Community Development Theory and Practice - 3 points

EDN513 International Education: Issues and Practices in Schools - 3 points

SUS512 Sustainability, Ecology and Communities - 3 points

SWM512 Working in Development - 3 points

EDN546 Dynamics of Cultural Diversity in the Workplace and the Community - 3 points

### Language

With the approval of the Academic Chair, students with the relevant proficiency in either Indonesian or Japanese language may enrol in the semester in that country. Subject to Academic Chair approval, students may complete 12 or 24 points in country.

Asian Language units may also be taken, subject to Academic

Chair approval.

JPN543 Semester in Japan - 12 points

IND543 Semester in Indonesia - 12 points

or 6 points from undergraduate Asian Language units according to assessed competence.

## Year 2 - 24 credit points

### Core Units - 12 or 18 credit points

#### Research Methods Unit - 3 credit points

ART604 Advanced Research Methods - 3 points

OR

SWM516 Policy Research and Evaluation - 3 points

#### Theory Unit - 3 credit points

AST612 Anthropology and Its Others - 3 points

#### Capstone Unit - 6 or 12 credit points

AST632 Asian Studies Project - 6 points

OR

ART607 In-Country Studies Indonesia - 6 points

OR

AST634 Asian Studies Dissertation - 12 points

### Specified Electives - 6 to 12 credit points

Select units from the following lists.

#### Asian Society and Culture

AST650 Culture, Communities and Sustainability in Asia - 3 points

SWM623 Contemporary Dynamics in Asian International Affairs - 3 points

SWM642 Islamic Politics and Development - 3 points

MCM682 Global Media: Asia-Pacific Perspectives - 6 points

JPN652 Japanese Advanced Language Project - 3 points

IND652 Indonesian Advanced Language Project - 3 points

#### Global Context

SWM631 Development and Change - 3 points

MBS651 Leading and Managing Nonprofit Organisations - 3 points

MCM604 People, Corporates and Globalisation - 3 points

MCM605 Public Relations, Communication and Culture - 3 points

EDU616 Teaching, Learning and Working in Culturally Diverse Environments - 3 points

## BUSINESS ADMINISTRATION

### GRADUATE CERTIFICATE IN BUSINESS ADMINISTRATION (GRADCERTBUSADMIN)

School of Management and Governance

Graduate Certificate in Business Administration (GradCertBusAdmin)

Course Codes: C1106

Duration: 1 semester full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

Restriction: All graduate courses are subject to restriction.

The Graduate Certificate in Business Administration provides the opportunity to develop basic analytical skills needed to make sound business decisions. It focuses on the management of organisations and provides unit choices in two other key business disciplines. The course can be completed in one semester of full-time study, or part time equivalent. Students who successfully complete the Graduate Certificate may apply for admission to the Graduate Diploma in Business Administration.

#### Admission Requirements (Onshore):

Recognised Bachelor's degree or higher and evidence of relevant two-year work experience, or satisfactory preparation for the course through previous study or professional experience.

English competence.

#### Employment Prospects:

This course offers an opportunity to study four core units in an MBA course and exit with a graduate qualification, thus gaining a competitive edge in the marketplace.

#### Further Study:

Students who successfully complete the Graduate Certificate may apply for admission to the Graduate Diploma in Business Administration or the MBA.

### Course Structure - 12 credit points

#### Core Units - 12 credit points

MBS538 Organisational Behaviour and Management - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MBS539 Accounting for Managers - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MBS537 Strategic Marketing Management - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MBL502 Law for Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

### GRADUATE CERTIFICATE IN BUSINESS ADMINISTRATION (MASTERCLASS) (GRADCERTBUSADMIN)

School of Management and Governance

Graduate Certificate in Business Administration (GradCertBusAdmin)

Course Codes: C1115

Duration: Part-time study concurrent with Bachelor's degree

#### Availability:

- Murdoch campus (internal)
- Only available to international students who are studying concurrently in a Bachelor's degree on a full-time load.

Restriction: All graduate courses are subject to restriction.

The Graduate Certificate in Business Administration (MasterClass) is studied concurrently with an undergraduate degree.

All candidates must have completed at least 24 credit points of any undergraduate degree at Murdoch University or the equivalent of one year of full-time study in another recognised degree offered by an Australian or international tertiary institution.

#### Admission Requirements (Onshore):

Application for MasterClass is by invitation or nomination. Entry to the course via either channel is subject to panel interview. Invitation: Completion of 24 points in any Murdoch undergraduate degree and academic achievement within the top 5 percent by grade point average. Students in the top 5 percent will receive an

invitation to apply for the course.  
Nomination: Completion of 24 points in any Murdoch undergraduate degree, evidence of strong academic achievement and demonstrated leadership attributes.

English competence.

### Course Structure - 12 credit points

#### Core Units - 12 credit points

MBS5082 Organisational Behaviour and Management - 3 points

MBS5392 Accounting for Managers - 3 points

MBS5072 Strategic Marketing Management - 3 points

MBS6712 Effective Leadership - 3 points

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## GRADUATE DIPLOMA IN BUSINESS ADMINISTRATION (GRADDIPBUSADMIN)

School of Management and Governance

Graduate Diploma in Business Administration (GradDipBusAdmin)

Course Codes: G1063

Duration: 1 year full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

Restriction: All graduate courses are subject to restriction.

The Graduate Diploma in Business Administration provides the opportunity to develop analytical skills needed to make sound business decisions. It focuses on the management, marketing and accounting functions of an organisation. The course can be completed in one year of full time study or part time equivalent. Student who complete the Graduate Diploma may apply for admission to the MBA.

#### Admission Requirements (Onshore):

Recognised Bachelor's degree or higher and evidence of relevant two-year work experience, or satisfactory preparation for the course through previous study or professional experience.

English competence.

#### Employment Prospects:

This course offers an opportunity to complete eight of the core units in the MBA course and exit with a graduate qualification, thus gaining a competitive edge in the marketplace.

#### Further Study:

Students who successfully complete the Graduate Diploma may apply for admission to the MBA.

### Course Structure - 24 credit points

#### Core Units - 18 credit points

MBS539 Accounting for Managers - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MBS537 Strategic Marketing Management - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MBL502 Law for Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MBS538 Organisational Behaviour and Management - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MBS568 Organisational Change, Management and Consultancy - 3 points  
MURDOCH: S2-internal, S2-external

MBS555 Human Resource Management Perspectives - 3 points  
MURDOCH: S1-internal, S1-external

### Specified Electives - 6 credit points

Select from the following:

MBS645 Business Finance - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MBS675 International Business - 3 points  
MURDOCH: SP17-internal, SP17-external

MBS647 Strategic Decision-Making - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MBS673 Entrepreneurship and Innovation Management - 3 points  
MURDOCH: S1-internal, S1-external

MBL518 Dispute Management - 3 points  
MURDOCH: S1-internal, S1-external

MBS530 Business, Society and the Environment - 3 points  
MURDOCH: S1-internal, S1-external

MBS651 Leading and Managing Nonprofit Organisations - 3 points  
MURDOCH: SP17-internal, SP17-external

Special Topics are available from time to time and may be used a Specified Elective. Students should consult the Academic Chair about availability.

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## MASTER OF BUSINESS ADMINISTRATION (MBA)

School of Management and Governance

Master of Business Administration (MBA)

Course Codes: M1215

Duration: 2 years full-time

#### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

Restriction: All graduate courses are subject to restriction.

The Master of Business Administration provides the opportunity to develop the skills needed to make strategic business decisions.

Graduates of a Murdoch University MBA will demonstrate the application of scholarship and research skills by the completion of significant practical projects.

A flexible teaching timetable allows students to balance work, study and other personal commitments.

#### Admission Requirements (Onshore):

Recognised Bachelor's degree or higher and evidence of relevant two-year work experience, or satisfactory preparation for the course through previous study or professional experience.

English competence.

#### Nested Awards:

Students can opt out of the MBA and exit with either the Graduate Certificate or Graduate Diploma subject to satisfying the course requirements.

#### Advanced Standing:

Up to 24 points of advanced standing is available to students with a recognised Graduate qualification in a cognate area and evidence of 2 years relevant work experience.

### Course Structure - 48 credit points

#### Core Units - 30 credit points



MBS539 Accounting for Managers - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MBS537 Strategic Marketing Management - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MBL502 Law for Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MBS538 Organisational Behaviour and Management - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MBS645 Business Finance - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MBS647 Strategic Decision-Making - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MBS520 Research Preparation for Business - 3 points  
MURDOCH: S2-internal, S2-external, SUM-internal (closed)

MBS687 Effective Leadership - 3 points  
MURDOCH: S1-internal, S1-external

MBS530 Business, Society and the Environment - 3 points  
MURDOCH: S1-internal, S1-external

MBS659 Quantitative Research for Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

OR

MBS619 Qualitative Organisational Research - 3 points  
MURDOCH: S1-internal, S1-external

### Specified Electives - 18 credit points

Select from the following units with a minimum of 12 credit points at 600 level:

MBS568 Organisational Change, Management and Consultancy - 3 points  
MURDOCH: S2-internal, S2-external

MBS686 Economics and Business Strategy - 3 points  
MURDOCH: S2-internal, S2-external

MBS673 Entrepreneurship and Innovation Management - 3 points  
MURDOCH: S1-internal, S1-external

MBL518 Dispute Management - 3 points  
MURDOCH: S1-internal, S1-external

MBS685 Project Management - 3 points  
MURDOCH: W-internal, W-external

MBS675 International Business - 3 points  
MURDOCH: SP17-internal, SP17-external

MBS658 Supply Chain Management and Logistics - 3 points  
MURDOCH: S2-internal, S2-external

MBL623 Work Health and Safety Law - 3 points  
MURDOCH: S1-internal, S1-external

MBS555 Human Resource Management Perspectives - 3 points  
MURDOCH: S1-internal, S1-external

MBS651 Leading and Managing Nonprofit Organisations - 3 points  
MURDOCH: SP17-internal, SP17-external

MBS643 Management and Governance Research Practicum - 6 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

MBS690 Decision Neuroscience Neuromarketing - 3 points  
Not available this year

SWM519 Strategic Health Leadership and Management - 3 points  
MURDOCH: W-internal

SWM518 Health Economics and Finance - 3 points  
MURDOCH: W-internal

SWM517 Health Policy and Governance - 3 points  
MURDOCH: S1-internal

## MASTER OF BUSINESS ADMINISTRATION (OFFSHORE) (MBA)

School of Management and Governance

Master of Business Administration (MBA)

Course Codes: M1000

Duration: 4 trimesters full-time or part-time equivalent

### Availability:

- SMF Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English) (not available to new admissions at this location)
- Kaplan Higher Education Institute and Kaplan Higher Education Academy (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English)
- Murdoch University International Study Centre (Dubai, UAE) ['DUBAI-ISC'] (internal) (by formal agreement) (language of instruction: English)

Restriction: All graduate courses are subject to restriction.

The Master of Business Administration provides the opportunity to develop the skills needed to make strategic business decisions.

Graduates with a Murdoch University MBA will demonstrate the application of scholarship and research skills by the completion of significant practical projects.

A flexible teaching timetable allows students to balance work, study and other personal commitments.

### Admission Requirements (Offshore):

Recognised Bachelor's degree or higher and evidence of relevant two-year work experience, or satisfactory preparation for the course through previous study or professional experience.

English competence.

### Nested Awards:

Students can opt out of the MBA and exit with either the Graduate Certificate or Graduate Diploma subject to satisfying the course requirements.

### Advanced Standing:

Up to 24 points of advanced standing is available to students with a recognised Graduate qualification in a cognate area and evidence of 2 years relevant work experience.

## Course Structure - 48 credit points

### Core Units - 24 credit points

MBS513 Accounting for Managers - 4 points  
DUBAI-ISC: TMD-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal  
SGP1: TMQ-internal

MBS507 Strategic Marketing Management - 4 points  
DUBAI-ISC: TMD-internal  
KAPLAN-SGP: TJA-internal, TSA-internal  
SGP1: TMP-internal

MBS502 Law for Business - 4 points  
DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal  
SGP1: TSR-internal

MBS508 Organisational Behaviour and Management - 4 points  
DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

MBS605 Business Finance - 4 points  
DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

MBS606 Strategic Decision-Making - 4 points  
DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal  
SGP1: TSP-internal

### Specified Electives - 24 credit points

Select from the following units, with a maximum of two units of those marked with an asterisk (\*).

\*MBS501 Human Resource Management Law - 4 points  
DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TJA-internal, TSA-internal

MBS531 Economics of Globalisation - 4 points  
DUBAI-ISC: TSD-internal

MBS548 Organisational Change, Management and Consultancy - 4 points  
DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TJA-internal, TSA-internal

\* MBS617 Human Resource Management Perspectives - 4 points  
DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TJA-internal, TSA-internal

MBS666 Economics and Business Strategy - 4 points  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

MBS671 Effective Leadership - 4 points  
DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TMA-internal  
SGP1: TSS-internal

MBS629 Entrepreneurship and Innovation Management - 4 points  
DUBAI-ISC: TMD-internal  
KAPLAN-SGP: TMA-internal  
SGP1: TJP-internal

MBS618 Dispute Management - 4 points  
KAPLAN-SGP: TMA-internal  
SGP1: TSQ-internal

MBS641 Project Management - 4 points  
DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TMA-internal, TSA-internal  
SGP1: TMR-internal

MBS630 International Business - 4 points  
DUBAI-ISC: TMD-internal  
KAPLAN-SGP: TMA-internal  
SGP1: TJQ-internal

MBS572 Risk Management - 4 points  
DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TJA-internal, TSA-internal

MBS558 Supply Chain Management and Logistics - 4 points  
SGP1: TJR-internal

\* MBS525 Managing, Evaluating and Developing Human Resources - 4 points  
DUBAI-ISC: TMD-internal  
KAPLAN-SGP: TMA-internal

\* MBS626 Managing Remuneration, Benefits and Motivation - 4 points  
DUBAI-ISC: TMD-internal  
KAPLAN-SGP: TMA-internal

\* MBS511 Acquisition of Human Resources - 4 points  
DUBAI-ISC: TMD-internal  
KAPLAN-SGP: TMA-internal

MBS540 Business, Society and the Environment - 4 points  
KAPLAN-SGP: TSA-internal

MBS622 Quantitative Methods for Business - 4 points  
DUBAI-ISC: TSD-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

## CHINESE LAW

**See also:**  
Law

### GRADUATE CERTIFICATE IN CHINESE LAW (GRADCERTCHINLAW)

School of Law

*Graduate Certificate in Chinese Law (GradCertChinLaw)*

Course Codes: C1126

*Duration: 1 semester full-time or part-time equivalent, plus 3 weeks intensive teaching in China in January*

#### Availability:

- East China University of Political Science and Law (Shanghai, China) ['CHN1'] (internal) (by formal agreement) (language of instruction: English)

*Restriction: All graduate courses are subject to restriction.*

In the contemporary legal and corporate sphere, it is important for lawyers to function effectively in the international arena.

The Graduate Certificate in Chinese Law is a unique and innovative course. Students will travel to East China University (Shanghai) and study aspects of Chinese law including Chinese constitutional law, commercial and contract law, and international intellectual property law.

The course consists of three weeks of intensive teaching at East China University (Shanghai) in January and February, and will be followed by time for students to reflect on the course material and complete the major research assessments after their return from Shanghai. Students will have the opportunity to form international friendships and gain a firsthand, tangible sense of China -- both its dynamic economic and legal development and its history and culture.

#### Admission Requirements (Onshore):

Recognised Bachelor's degree or higher, or equivalent training in any discipline (this need not be related to Law).

English competence.

#### Special Requirements:

This course is taught at East China University of Political Science and Law (Shanghai).

Students must possess a valid passport with eligibility for a visa to enter China; Permanent Residents may also require a visa for re-entry into Australia.

Students are required to make their own travel arrangements. Students are covered by Murdoch University for travel insurance. Students are responsible for all other costs including airfares, accommodation, passport and visa fees, vaccinations, meals, taxis and personal expenses. East China University of Political Science and Law (Shanghai) will assist in finding accommodation at competitive rates for students in this course.

Students are advised to be aware of Australian Department of Foreign Affairs and Trade (DFAT) travel advisories prior to their departure, via the following website:  
<http://www.smarttraveller.gov.au/>

All students must complete the University's online Travel Register prior to departure.

**Employment Prospects:**

Law, commerce and international business.

**Course Structure - 12 credit points****Core Units - 12 credit points**

LLM517 Introduction to the Chinese Legal System - 3 points  
CHN1: S1D-internal

LLM507 Chinese Contract Law - 3 points  
CHN1: S1D-internal

LLM508 Chinese Commercial Law - 3 points  
CHN1: S1D-internal

LLM506 Doing Business In China - 3 points  
Not available this year

OR

LLM509 Chinese Shipping and Trade Law - 3 points  
CHN1: S1D-internal

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**COMMUNICATION AND MEDIA STUDIES**

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**MASTER OF COMMUNICATION MANAGEMENT (MCOMMM)**

School of Arts

Master of Communication Management (MCommM)

Course Codes: M1209

Duration: 1.5 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

Restriction: All graduate courses are subject to restriction.

This course focuses on managing communication within an international context, emphasising the Asia-Pacific.

Informed by international scholarship in a range of disciplines and also by professional practice, the course will develop students' professional and intellectual skills to enable them to be appropriately prepared for a career in communication and media related professions, including but not limited to public relations, corporate communication, the media liaison, or consultancy related to the creative industries. Its purpose is also to develop students' skills and independent learning ability to enable them to extend their personal development.

**Admission Requirements (Onshore):**

(i) A recognised Bachelor degree (AQF Level 7) in the discipline and at least one year of relevant workplace experience, such as in public relations, journalism, media and communication sectors;  
OR

(ii) A recognised Bachelor degree (AQF Level 7) and at least one year of approved graduate study in a relevant discipline. Students who have completed a graduate diploma or equivalent in the disciplinary area may apply for advanced standing of up to 12 credit points;  
OR

(iii) A minimum of ten years' work experience in the media and communication sectors or in a professional capacity, or a minimum of five years' work experience in a managerial role, together with evidence of ability to carry out research for and/or write professional reports.

English competence.

**Employment Prospects:**

Executive or managerial positions in communication and media

related fields, including corporate communications, public relations, and media liaison, or consultancy in the creative industries.

**Professional Accreditation:**

Accredited by the Public Relations Institute of Australia (PRIA)

**Main Research Areas:**

Management, media, strategic communication, public relations, journalism, cultural studies.

**Course Structure - 36 credit points****Core Units - 24 credit points**

MCM681 Communication Management: Strategy and Leadership - 6 points  
MURDOCH: S1-internal

MCM682 Global Media: Asia-Pacific Perspectives - 6 points  
MURDOCH: S2-internal

MCM683 Communication Management: Professional Perspectives - 6 points  
MURDOCH: S1-internal

MCM680 Communication Management Research Project - 6 points  
MURDOCH: S1-internal, S2-internal, Y-internal

**Specified Electives - 12 credit points**

Select from the following:

MCM604 People, Corporates and Globalisation - 3 points  
MURDOCH: S2-internal

MCM605 Public Relations, Communication and Culture - 3 points  
MURDOCH: S2-internal

SWM641 E-Politics: the Internet and the Future of Power - 3 points  
MURDOCH: S1-internal

MCM501 Critical and Ethical Issues in Communication - 3 points  
MURDOCH: S1-internal

MCM502 Web Strategy - 3 points  
MURDOCH: S1-internal

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**COMMUNITY DEVELOPMENT**

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**GRADUATE CERTIFICATE IN COMMUNITY DEVELOPMENT (GRADCERTCOMMDEV)**

School of Arts

Graduate Certificate in Community Development (GradCertCommDev)

Course Codes: C1107

Duration: 2 to 3 semesters part-time (due to unit availability)

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)
- International students must commence in Semester 2 only.

Restriction: All graduate courses are subject to restriction.

This course builds upon the student's knowledge of community development theory and practice. In addition, the course provides students with an understanding of the broad range of settings where community development is carried out and the social and policy forces that impact on its application. It is designed for community work practitioners as well as graduates with an interest in moving into emerging fields that embrace community development.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent training though not necessarily in an area directly related to the proposed

course, or satisfactory preparation for the course through previous study or professional experience.

English competence.

**Special Requirements:**

There may be a reduction in choice of units if completing this course in the external mode.

**Employment Prospects:**

This course will enhance practitioners qualifications and open opportunities for those interested in working in industry areas such as community and social services, local government, overseas aid work, economic and social planning, sustainable development and Indigenous governance.

**Main Research Areas:**

Social Policy, Community Studies, Sociology.

**Course Structure - 12 credit points**

**Specified Electives - 12 credit points**

Select from the following:

COD545 Community Development Theory and Practice - 3 points  
MURDOCH: S1-internal, S1-external

COD505 Mining, Communities and Sustainability - 3 points  
MURDOCH: S2-internal, S2-external

COD508 Community Development Internship - 6 points  
MURDOCH: S2-internal, S2-external

AST558 Gender in Asian Societies - 3 points  
MURDOCH: S2-internal, S2-external

SUS512 Sustainability, Ecology and Communities - 3 points  
MURDOCH: S1-internal, S1-external

EDN546 Dynamics of Cultural Diversity in the Workplace and the Community - 3 points  
MURDOCH: S1-internal

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**GRADUATE DIPLOMA IN COMMUNITY DEVELOPMENT (GRADDIPCOMMDEV)**

School of Arts

Graduate Diploma in Community Development (GradDipCommDev)

Course Codes: G1061

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Some units only: Murdoch campus (external) (all but one unit)

Restriction: All graduate courses are subject to restriction.

In addition to building upon students' knowledge of community development theory and practice, the Graduate Diploma in Community Development is designed to develop knowledge of social research and community participatory methods. The course combines the study of community development theory, settings and policy formation with the development of knowledge and skills in community planning, research methods and program evaluation. As part of their studies students will either undertake a placement with a community organisation or carry out a community-based research project.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent training, though not necessarily in an area directly related to the course, or satisfactory preparation through previous study or professional experience.

English competence.

**Special Requirements:**

There may be a reduction in choice of units if completing this course in the external mode.

**Employment Prospects:**

This course will enhance practitioners qualifications and open opportunities for those interested in social research and working in industry areas such as community and social services, local government, overseas aid work, economic and social planning, sustainable development and Indigenous governance.

**Main Research Areas:**

Social Policy, Community Studies, Sociology.

**Course Structure - 24 credit points**

**Core Units - 18 credit points**

COD545 Community Development Theory and Practice - 3 points  
MURDOCH: S1-internal, S1-external

COD505 Mining, Communities and Sustainability - 3 points  
MURDOCH: S2-internal, S2-external

SUS611 Resilient Regions: People and Practice - 3 points  
MURDOCH: SUM-internal (quota of 10 places), SUM-external

EDN546 Dynamics of Cultural Diversity in the Workplace and the Community - 3 points  
MURDOCH: S1-internal

COD508 Community Development Internship - 6 points  
MURDOCH: S2-internal, S2-external

**Specified Electives - 6 credit points**

Select from the following:

AST650 Culture, Communities and Sustainability in Asia - 3 points  
MURDOCH: S1-internal, S1-external

AST558 Gender in Asian Societies - 3 points  
MURDOCH: S2-internal, S2-external

SWM626 Social Policy for the Contemporary World - 3 points  
Not available this year

SUS512 Sustainability, Ecology and Communities - 3 points  
MURDOCH: S1-internal, S1-external

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**MASTER OF COMMUNITY DEVELOPMENT (MCOMMDEV)**

School of Arts

Master of Community Development (MCommDev)

Course Codes: M1212

Duration: 2 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

Restriction: All graduate courses are subject to restriction.

People involved with government, neighbourhood groups, social action, overseas aid, schools, local councils, sustainability, Indigenous groups, social services, the arts, business and tourism are all talking about community development as a new way of doing things. The Master of Arts in Community Development provides you with an understanding of the practice of community development, the broad range of settings in which it is carried out, social research methods and social policy forces that impact on practice. It also involves students undertaking an original, substantive investigation of a community development issue under the supervision of a Murdoch University staff member.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent training, though not necessarily in an area directly related to the course, or satisfactory preparation through previous study or professional experience.

English competence.

**Special Requirements:**

There may be a reduction in choice of units if completing this course in the external mode.

**Employment Prospects:**

This course will enhance practitioners' qualifications and open opportunities for those interested in undertaking social research in settings such as community and social services, local government, overseas aid work, economic and social planning, sustainable development and Indigenous governance.

**Main Research Areas:**

Social Policy, Community Studies, Sociology.

**Nested Awards:**

Students can opt out of the Masters and exit with the Graduate Certificate or Graduate Diploma in Community Development subject to satisfying the course requirements.

**Course Structure - 48 credit points**

University regulations require completion of a minimum of 24 points at 600-level and a maximum of 24 points at 500-level for a 48-point Masters by Coursework degree.

**Core Units - 27 to 36 credit points****Theory - 21 credit points**

Complete all of the following:

COD545 Community Development Theory and Practice - 3 points  
MURDOCH: S1-internal, S1-external

COD505 Mining, Communities and Sustainability - 3 points  
MURDOCH: S2-internal, S2-external

AST650 Culture, Communities and Sustainability in Asia - 3 points  
MURDOCH: S1-internal, S1-external

SUS512 Sustainability, Ecology and Communities - 3 points  
MURDOCH: S1-internal, S1-external

SUS611 Resilient Regions: People and Practice - 3 points  
MURDOCH: SUM-internal (quota of 10 places), SUM-external

COD508 Community Development Internship - 6 points  
MURDOCH: S2-internal, S2-external

**Capstone Experience - 6 to 15 credit points**

Select either:

ART610 Masters by Coursework Research Dissertation - 12 points  
MURDOCH: H-internal, H-external, S1-internal, S1-external,  
S2-internal, S2-external, Y-internal, Y-external

and

ART604 Advanced Research Methods - 3 points  
MURDOCH: S1-internal, S1-external

OR

ART6401 Masters by Coursework Research Project - 6 points  
MURDOCH: H-internal, H-external, S1-internal, S1-external,  
S2-internal, S2-external, SUM-internal, SUM-external, Y-internal,  
Y-external

**Specified Electives - 12 to 21 credit points**

Select from the Professional or Policy Electives below.

**Professional Electives**

MBS6411 Project Management - 3 points  
MURDOCH: S1-internal

SWM621 Ethical Challenges of Contemporary Societies - 3 points  
MURDOCH: S2-internal

MCC687 Managing Communication - 3 points  
MURDOCH: S2-internal

EDN546 Dynamics of Cultural Diversity in the Workplace and the  
Community - 3 points  
MURDOCH: S1-internal

ART6071 In-Country Studies Indonesia - 12 points  
Not available this year

**Policy Electives**

AST558 Gender in Asian Societies - 3 points  
MURDOCH: S2-internal, S2-external

ENV680 Climate Change Adaptation: Ecosystems and Societies - 3  
points  
MURDOCH: S2-internal, S2-external

SUS523 Cities and Sustainability - 3 points  
MURDOCH: S1-internal, S1-external

SWM626 Social Policy for the Contemporary World - 3 points  
Not available this year

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**COUNSELLING****See also:**

Psychology

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**GRADUATE CERTIFICATE IN COUNSELLING  
(GRADCERTCOUNSEL)**

School of Health Professions

*Graduate Certificate in Counselling (GradCertCounsel)*

Course Codes: C1111

*Duration: 1 semester full-time (if commencing in Semester 1) or  
part-time equivalent, depending on unit selection*

**Availability:**

- Murdoch campus (internal)
- Peel campus (internal)

*Restriction: All graduate courses are subject to restriction.*

The Graduate Certificate in Counselling provides students with the opportunity to begin developing professional competence and personal readiness for a career in counselling. The course is committed to experiential learning, enabling students to focus on quality of counselling relationships as a key feature of effective counselling practice.

Students who complete the Graduate Certificate in Counselling may apply for admission to the Graduate Diploma in Counselling and will be exempt from the units already completed which are common to both degrees.

**Admission Requirements (Onshore):**

Completion of a bachelor degree (AQF Level 7) or equivalent in any discipline. Applications based on previous study or professional experience will be considered on a case-by-case basis. The admission process includes both application and interview.

English competence.

**Special Requirements:**

Students will need to provide a current police clearance prior to

enrolment.

**Employment Prospects:**

The Graduate Certificate provides an introduction to counselling for people wanting to pursue further training. It also provides the opportunity for people to add counselling skills to existing professional roles in health, education, social services or business. Alternatively people with an existing practice in counselling can enrol in a Graduate Certificate to develop their skills.

**Professional Accreditation:**

The Graduate Certificate is a step towards the Master of Counselling degree which has Professional Accreditation with Psychotherapy and Counselling Federation of Australia (PACFA).

**Professional Recognition:**

Employment agencies in a variety of contexts, from Counselling, Social Services, Teaching and Nursing, consider the Graduate Certificate as valid for professional development opportunities.

**Further Study:**

Students who successfully complete the Graduate Certificate may apply for admission to the Graduate Diploma in Counselling.

## Course Structure - 12 credit points

### Core Units - 6 credit points

CSL582 Principles of Counselling 1 - 6 points  
MURDOCH: S1-internal  
PEEL: S2-internal

### Specified Electives - 6 credit points

Select from the following:

CSL583 Counselling Adults - 3 points  
MURDOCH: S2-internal

CSL566 Case Conceptualisation and Assessment in Counselling - 3 points  
MURDOCH: S1-internal

CSL581 Group Counselling - 3 points  
MURDOCH: S1-internal

CSL578 Counselling Children and Adolescents - 3 points  
MURDOCH: S2-internal  
PEEL: S2-internal

## GRADUATE DIPLOMA IN COUNSELLING (GRADDIPCOUNSEL)

School of Health Professions

Graduate Diploma in Counselling (GradDipCounsel)

Course Codes: G1055

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

*Restriction: All graduate courses are subject to restriction.*

This course supports students in developing professional competence and personal readiness for a career in counselling. It is committed to experiential learning, with an emphasis on the counselling relationship, the key feature of effective counselling practice. The critical appraisal of counselling literature combined with applied learning across most units provides students with the opportunity to develop their counselling practice.

Students who complete the Graduate Diploma may apply for admission to the Master of Counselling and will be exempt from the units already completed which are common to both degrees.

**Admission Requirements (Onshore):**

Completion of a bachelor degree (AQF Level 7) or equivalent in any discipline. Applications based on previous study or professional experience will be considered on a case-by-case basis. The admission process includes both application and interview.

English competence.

**Special Requirements:**

Students will need to provide a current police clearance prior to enrolment.

**Employment Prospects:**

Graduates may be employed in government and non-government counselling organisations working with adults, children, families and couples. They will be ready for employment in settings requiring individual and group therapy competence.

**Professional Accreditation:**

The Graduate Diploma is a requisite step towards the Masters of Counselling degree which has Professional Accreditation with Psychotherapy and Counselling Federation of Australia (PACFA).

**Professional Recognition:**

Students studying this degree can register as Trainees with the Psychotherapists and Counsellors Association of Western Australia (PACAWA).

**Further Study:**

Students who successfully complete the Graduate Diploma may apply for admission to the Master of Counselling.

**Advanced Standing:**

Up to 12 credit points is available (0.5 years) of advanced standing to students who have a Level 8 Graduate Certificate in Counselling or who have successfully completed a minimum of Level 8 units with learning outcomes equivalent to one or more units comprising the Graduate Diploma in Counselling.

## Course Structure - 24 credit points

### Core Units - 24 credit points

CSL582 Principles of Counselling 1 - 6 points  
MURDOCH: S1-internal  
PEEL: S2-internal

CSL581 Group Counselling - 3 points  
MURDOCH: S1-internal

CSL566 Case Conceptualisation and Assessment in Counselling - 3 points  
MURDOCH: S1-internal

CSL583 Counselling Adults - 3 points  
MURDOCH: S2-internal

CSL578 Counselling Children and Adolescents - 3 points  
MURDOCH: S2-internal  
PEEL: S2-internal

SHP632 Applied Health Research Methods: From Research to Practice - 3 points  
MURDOCH: S1-external, S2-external

CSL676 Introduction to Creative Arts Therapies in Counselling - 3 points  
MURDOCH: S2-internal

## MASTER OF COUNSELLING (MCOUNSEL)

School of Health Professions

Master of Counselling (MCounsel)

Course Codes: M1143

Duration: 2 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)

Restriction: All graduate courses are subject to restriction.

The Master of Counselling supports students in developing professional competence and personal readiness for a career in counselling. The course is committed to experiential learning, with an emphasis on the counselling relationship, the key feature of effective counselling practice. All students engage in the critical appraisal of selected counselling literature/research. In the second year students can complete a substantial research project addressing an issue in counselling theory or practice, or complete their award through course work and a smaller research project. Two supervised practica provide students with the opportunity to develop an integrated and professional counselling practice.

### Admission Requirements (Onshore):

Completion of a bachelor degree (AQF Level 7) or equivalent in any discipline. Applications based on previous study or professional experience will be considered on a case-by-case basis. The admission process includes both application and interview.

English competence.

### Special Requirements:

Students will need to provide a current police clearance and Working with Children Check prior to enrolment.

### Employment Prospects:

On completion of the course graduates will be eligible to be employed in government and non-government counselling organisations working with adults, children, families and couples. They will be ready for employment in settings requiring individual and group therapy competence.

### Professional Accreditation:

Psychotherapists and Counsellors Federation of Australia (PACFA)

### Professional Recognition:

Graduates are eligible to apply for registration with the Psychotherapy and Counselling Association of Western Australia and to then work towards clinical registration with PACAWA.

### Nested Awards:

Students can opt out of the Master of Counselling and exit with either the Graduate Certificate or Graduate Diploma subject to satisfying the relevant course requirements.

### Advanced Standing:

Up to 24 credit points is available of advanced standing to students who have a Level 8 Graduate Diploma in Counselling or who have successfully completed a minimum of Level 8 units with learning outcomes equivalent to one or more units comprising the Masters in Counselling.

## Course Structure - 48 credit points

### Core Units - 48 credit points

CSL582 Principles of Counselling 1 - 6 points

MURDOCH: S1-internal

PEEL: S2-internal

CSL684 Principles of Counselling 2 - 3 points

MURDOCH: S2-internal

CSL578 Counselling Children and Adolescents - 3 points

MURDOCH: S2-internal

PEEL: S2-internal

CSL583 Counselling Adults - 3 points

MURDOCH: S2-internal

CSL581 Group Counselling - 3 points

MURDOCH: S1-internal

CSL679 Counselling Placement and Supervision Group 1 - 6 points

MURDOCH: DE7-placement (quota of 22 places), S1L-placement (quota of 22 places)

CSL566 Case Conceptualisation and Assessment in Counselling - 3 points

MURDOCH: S1-internal

CSL621 Counselling Placement and Supervision Group 2 - 6 points

MURDOCH: DE7-placement (quota of 12 places), S1L-placement (quota of 12 places)

SHP632 Applied Health Research Methods: From Research to Practice - 3 points

MURDOCH: S1-external, S2-external

CSL676 Introduction to Creative Arts Therapies in Counselling - 3 points

MURDOCH: S2-internal

Either:

CSL620 Counselling Research Project - 9 points

MURDOCH: H-internal, S1-internal, S2-internal, SUM-internal, Y-internal

OR

CSL677 Counselling Research Project - 6 points

MURDOCH: Y-internal

and

CSL674 Trauma Counselling - 3 points

MURDOCH: S1-internal

## DEVELOPMENT STUDIES

### See also:

Policy Studies

## GRADUATE CERTIFICATE IN DEVELOPMENT STUDIES (GRADCERTDS)

Sir Walter Murdoch School of Public Policy and International Affairs

Graduate Certificate in Development Studies (GradCertDS)

Course Codes: C1103

Duration: 1 semester full-time

### Availability:

- Murdoch campus (internal)
- International students must commence in Semester 1 only.

Restriction: All graduate courses are subject to restriction.

The Graduate Certificate in Development Studies will prepare students to participate in the world of international development. Students gain the theoretical foundation and professional skills necessary for rewarding careers in all types of organisations (public, private and not for profit, national and international) engaged in development policy, planning and practice, in Australia and internationally.

### Admission Requirements (Onshore):

Admission to the Graduate Certificate is available to students who have a recognised Bachelor degree in any area.

English competence.

**Employment Prospects:**

Suitable for students looking to work in the public sector, the not-for-profit sector and for professionals who work at the intersection between government and business.

**Course Structure - 12 credit points**

**Core Units - 12 credit points**

SWM511 Theories of Development - 3 points  
MURDOCH: S1-internal

SWM512 Working in Development - 3 points  
MURDOCH: W-internal

SWM530 Politics, States and Development - 3 points  
MURDOCH: S1-internal

MBS536 Financial Management Decision Making - 3 points  
MURDOCH: S1-internal

**MASTER OF DEVELOPMENT STUDIES (MDS)**

Sir Walter Murdoch School of Public Policy and International Affairs

Master of Development Studies (MDS)

Course Codes: M1195

Duration: 2 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

Restriction: All graduate courses are subject to restriction.

The Master of Development Studies (MDS) is a practical professional degree focussing on the challenges of social, economic, and political development and poverty alleviation. Aimed at students from the developing world and those working in international development assistance, the MDS concentrates on the nexus of development, politics and social and environmental sustainability, food and health security, international assistance, state building, conflict management, gender relations and other significant issues impacting development.

**Admission Requirements (Onshore):**

Admission to the Masters degree is available to students who have a Bachelor's degree in any area.

English competence.

**Employment Prospects:**

Suitable for students looking to work in or seeking a career in any aspect of international development, in the public, private or not-for-profit sectors. Students will acquire the knowledge, skills and expertise necessary for careers in international development in a broad range of settings such as regional and international organisations, government agencies, private firms, and non-government organisations involved in development.

**Advanced Standing:**

A student's advanced standing is assessed at the time of application, taking into account level of higher study and/or professional experience.

Up to 12 points (0.5 years) of advanced standing is available to students who have: a Bachelor's degree with a major in Development Studies or a cognate area; or a Bachelor's degree in an unrelated discipline and Level 8 Graduate Certificate or Diploma in Development Studies or equivalent; or an Honours degree or equivalent in an unrelated discipline; or a Bachelor's degree in an unrelated discipline and two years of relevant documented professional experience.

Up to 24 points (1 year) of advanced standing is available to students with an Honours Bachelor's degree or equivalent in Development Studies or a cognate area; or an honours degree or equivalent in an unrelated discipline and at least two years of relevant documented professional experience.

**Exemption from Coursework Regulations:**

In this course, where appropriate, undergraduate units (between 100- and 400-level) have been included to meet the learning outcomes for the entire course: graduate students can expect to be part of a learning community with undergraduate students in these units.

**Course Structure - 48 credit points**

**Core Units - 24 to 33 credit points**

**Theory - 21 credit points**

SWM511 Theories of Development - 3 points  
MURDOCH: S1-internal

SWM512 Working in Development - 3 points  
MURDOCH: W-internal

SWM530 Politics, States and Development - 3 points  
MURDOCH: S1-internal

SWM631 Development and Change - 3 points  
MURDOCH: S2-internal

SWM628 Development and Sustainability - 3 points  
MURDOCH: S2-internal

SWM637 Gender and Development - 3 points  
MURDOCH: S1-internal

SWM644 Public Policy and International Affairs Foundations - 3 points  
MURDOCH: S1-internal

**Capstone Experience - 3 to 12 credit points**

Select one of the following options:

EITHER

SWM618 Social Science Research Design - 3 points  
MURDOCH: S1-internal

and

SWM617 Supervised Research Thesis - 6 points  
MURDOCH: S1-internal, S2-internal

OR

SWM618 Social Science Research Design - 3 points  
MURDOCH: S1-internal

and

SWM6171 Supervised Research Thesis - 9 points  
MURDOCH: S1-internal, S2-internal  
(This 12,000- to 15,000-word thesis can only be taken with the approval of the Dean of the Sir Walter Murdoch School of Public Policy and International Affairs.)

OR

SWM619 Research Internship - 6 points  
MURDOCH: S1-internal, S2-internal

OR

SWM620 Advanced Policy Case Study - 3 points  
MURDOCH: S1-internal, S2-internal, W-internal

Alternatively, students can enrol in ART607 In-Country Studies Indonesia - 6 points [MURDOCH: SUM-internal] during the



summer period. This is an ACICIS program. Students interested in this option should consult the ACICIS Secretariat and gain approval from the Academic Chair of Development Studies.

### Specified Electives - 15 to 24 credit points

Please note that Sir Walter Murdoch School students may take any of the core units listed in the Master of International Affairs and Master of Public Policy and Management as an elective for the Master of Development Studies.

Select from the following lists:

#### Professional

MBS536 Financial Management Decision Making - 3 points  
MURDOCH: S1-internal

MBS6411 Project Management - 3 points  
MURDOCH: S1-internal

MCC687 Managing Communication - 3 points  
MURDOCH: S2-internal

MBS687 Effective Leadership - 3 points  
MURDOCH: S1-internal, S1-external

MBS555 Human Resource Management Perspectives - 3 points  
MURDOCH: S1-internal, S1-external

MBS651 Leading and Managing Nonprofit Organisations - 3 points  
MURDOCH: SP17-internal, SP17-external

SWM621 Ethical Challenges of Contemporary Societies - 3 points  
MURDOCH: S2-internal

SWM519 Strategic Health Leadership and Management - 3 points  
MURDOCH: W-internal

TLC501 Graduate Study in a Cross-Cultural Context - 3 points  
MURDOCH: S1-internal, S2-internal

#### Policy

SWM622 Network Governance - 3 points  
MURDOCH: S1-internal

ENV616 Environmental Policy for the 21st Century - 3 points  
MURDOCH: S1-internal, S1-external

SWM626 Social Policy for the Contemporary World - 3 points  
Not available this year

SWM623 Contemporary Dynamics in Asian International Affairs - 3 points  
MURDOCH: S1-internal

SWM624 Global Trade Policy - 3 points  
Not available this year

SWM516 Policy Research and Evaluation - 3 points  
MURDOCH: S1-internal

SWM632 International Political Economy - 3 points  
MURDOCH: S2-internal

BIO639 Biosecurity Threats and Invasions - 3 points  
MURDOCH: S1-internal, S1-external

BIO681 Challenges in Food Security - 3 points  
MURDOCH: S2-internal

SWM636 Global Governance and International Institutions - 3 points  
MURDOCH: S2-internal

SWM641 E-Politics: the Internet and the Future of Power - 3 points  
MURDOCH: S1-internal

SWM642 Islamic Politics and Development - 3 points  
MURDOCH: S2-internal

SWM643 Political Violence - 3 points

MURDOCH: S2-internal

COD505 Mining, Communities and Sustainability - 3 points  
MURDOCH: S2-internal, S2-external

SWM646 Parliamentary Studies - 3 points  
MURDOCH: S2-internal

SWM517 Health Policy and Governance - 3 points  
MURDOCH: S1-internal

SWM518 Health Economics and Finance - 3 points  
MURDOCH: W-internal

#### Language

Students may take up to two language units in either Indonesian or Japanese. Placement in language units is at the discretion of the Academic Chair, following an assessment of the student's language skills. There may be restrictions for students completing the Masters in 24 points. Please refer to the Handbook for available units in Indonesian or Japanese.

## EARLY CHILDHOOD EDUCATION

**See also:**  
Education

### GRADUATE CERTIFICATE IN EARLY CHILDHOOD EDUCATION (GRADCERTEARLYCHILDED)

School of Education

Graduate Certificate in Early Childhood Education (GradCertEarlyChildEd)

Course Codes: C1046

Duration: 2 to 4 semesters part-time

#### Availability:

- Murdoch campus (external) (except for school experiences)
- Some units only: Murdoch campus (internal)

*Restriction: All graduate courses are subject to restriction.*

This course is designed for qualified primary teachers who wish to make early childhood education one of their recognised specialisations. It specifically addresses the early childhood years Kindergarten to Pre-Primary (children aged 4-5 years)

#### Admission Requirements (Onshore):

Recognised Bachelor's degree or higher, or equivalent training. Students who are not qualified teachers but have had at least two years of full-time recent, relevant and satisfactory teaching experience may seek admission to the Certificate, but should note that the course does not constitute an initial teaching qualification.

English competence.

#### Special Requirements:

Students must have two current mandatory checks on record in the Murdoch University School of Education Professional Experience Office for placement in the practicum component of the Graduate Certificate: Department of Education National Police History Check and a WA Working with Children Check. Refer to the School of Education Professional Experience web site for details: <http://www.murdoch.edu.au/School-of-Education/Professional-Experience/Checks-and-clearances/>

Federal and State police clearances obtained through police stations are not acceptable. Students should refer to the Study at Murdoch section of this Handbook for further details on this important matter.

### Course Structure - 12 credit points

**Core Units - 9 credit points**

EDN5100 Professional Experience: Postgraduate - 3 points  
MURDOCH: ST2-placement, ST3-placement  
This unit is to be completed in the final semester of study.

EDN520 Advanced Principles and Practices in Early Childhood Education - 3 points  
MURDOCH: S1-internal (closed), S1-external

EDN522 Integrated Early Childhood Curriculum for Educators - 3 points  
MURDOCH: S2-internal, S2-external

**Specified Electives - 3 credit points**

Select from the following:

EDN537 Babies and Toddlers Growing and Learning - 3 points  
MURDOCH: S1-external

EDN512 Critical Perspectives in Early Childhood Education - 3 points  
MURDOCH: S2-external

EDN538 Designing Early Childhood Learning Environments - 3 points  
Not available this year

EDN566 Pedagogies for Literacy and Numeracy in the Early Years - 3 points  
MURDOCH: S1-external

Some students may have already completed some of the above units or their equivalents. Exemptions may be obtained for units already completed, in which case students should substitute from the list of Education Studies units. Applications for exemption should be submitted to the Accreditation Officer.

**EDUCATION****See also:**

Early Childhood Education  
Tertiary and Adult Education

**GRADUATE DIPLOMA IN EDUCATION (SECONDARY) (GRADDIPED)**

School of Education

*Graduate Diploma in Education (GradDipEd)*

Course Codes: G1024

*Duration: 1 year full-time or part-time equivalent with a summer commencement. Students commencing mid-year will need 1.5 years minimum enrolment to complete requirements.*

**Availability:**

- Murdoch campus (internal)
- Some units only: Murdoch campus (external)

The Graduate Diploma in Education (Secondary) (GradDipEd) is a one-year full-time initial teaching qualification for graduates who hold a Bachelor's degree in some non-Education field relevant to teaching. It offers graduates a professional preparation for teaching in secondary schools or for a wide range of other careers with an education focus.

For Secondary Teacher Education students, the undergraduate degree must be relevant to one of the following learning areas in secondary schools: English, Drama, Humanities and Social Sciences, Science, Mathematics, Languages Other Than English (LOTE) or English as a Second Language (ESL).

**Admission Requirements (Onshore):**

Recognised and appropriate Bachelor's degree or higher; the degree must be directly relevant to one or more of the learning

areas offered at Murdoch.

Students demonstrating English competence via IELTS need an overall score of 7.0 with no individual band less than 7.0

**Special Requirements:**

The WA Department of Education and cooperating non-government schools have the right to determine 'fit and proper persons' to enter and practice in schools. This means all students must obtain two current mandatory checks.

The first is a current Department of Education National Police History Check and the second a current WA Working with Children Check. Under the Working with Children (Criminal Record Checking) Act 2004, compulsory criminal record checks are required for people working with children. Refer to the School of Education Professional Experience website for details:  
<http://www.murdoch.edu.au/School-of-Education/Professional-Experience/Checks-and-clearances/>

The form for the first check is also available from the WA Department of Education website. Federal and State police clearances obtained through police stations are not acceptable. Students should refer to the Study at Murdoch section of this Handbook for further details on this important matter.

It is important to understand that these two checks are mandatory and students are not permitted to enter schools without obtaining them.

For students with English as a second language the Teachers Registration Board of Western Australian requires an IELTS of 8 across all areas on graduation.

Students should note that both internal and external GradDipEd students take EDN550 Transition to Teaching in the Summer option, which is an intensive 3-point version held on campus in the four-week period immediately prior to the commencement of Semester 1.

**Employment Prospects:**

Murdoch graduates are employed in government and non-government schools and other education related occupations throughout the world. Students should note, however, that some Australian states require a minimum of two years of professional pre-service education.

**Exemptions from Professional Experience and Other Units:**

Students who have been employed as a teacher and have had at least one year of full-time equivalent recent, relevant and satisfactory teaching experience in an Australian school context may seek exemption from the Professional Experience component of EDN550 Transition to Teaching.

Students who have had at least two years of full-time recent, relevant and satisfactory teaching experience in an Australian school context may seek partial exemption from Professional Experience. Whilst Murdoch recognises that some students may have prior and/or current teaching experience, it requires that a student's classroom competence be assessed before exemptions from Professional Experience can be given.

Some students may have completed one or more of the required units listed in the course structure. Such students may also seek exemption from the unit.

Students cannot receive exemption from Professional Internship units but those who are exempt from Professional Experience and are also currently employed in relevant teaching positions may seek permission to complete Professional Internship units in their school. Students should contact the Murdoch University School of Education Professional Experience Office.

All applications for exemption must be directed to the Accreditation Officer.

If seeking uncredentialed credit, students must submit a case in writing, with supporting documentary evidence to explain how the outcomes of units have already been achieved through prior experience.

#### **Study Options:**

Students taking the Graduate Diploma in Education (Secondary) are advised that the student contribution liability for these courses is commensurate with the load for these courses: viz 1.25 that of a normal 24-point load.

#### **External Study:**

Not all required units in this course are offered completely externally. Some are offered as intensive sessions on campus or in Perth metropolitan schools.

a) GradDipEd students take EDN550 Transition to Teaching in the Summer option, which is an intensive 3-point version held on campus in the four-week period immediately prior to the commencement of Semester 1. This unit is a prerequisite for the curriculum and Professional Experience units beginning in Semester 1.

b) External students must undertake the first Professional Experience unit in a Perth metropolitan school under the guidance of a Murdoch University Moderator. Subject to satisfactory completion of this unit, students may negotiate with the School of Education Professional Experience Office to complete their subsequent Professional Experience in a school other than in metropolitan Perth. Note: EDN550 is not included as a first Professional Experience unit for this purpose.

#### **Course Structure - 30 credit points**

Students must complete EDN550 Transition to Teaching in an intensive on-campus session held in the four-week period immediately prior to the commencement of Semester 1. It must be completed successfully before commencing the Teaching Area or School Experience units, which begin in Semester 1.

Students should have completed all course requirements including their Teaching Area 1, Teaching Area 2 and EDN514 Professional Experience: Graduate Diploma Secondary prior to enrolling in EDN511 Professional Internship: Preliminary Secondary Graduate Diploma and EDN510 Professional Internship: Secondary Graduate Diploma.

Students should complete EDN511 Professional Internship: Preliminary Secondary Graduate Diploma and EDN510 Professional Internship: Secondary Graduate Diploma in their last semester of study.

#### **Core Units - 24 credit points**

EDN550 Transition to Teaching - 3 points  
MURDOCH: UA6-internal

EDN545 Learning and Assessment Processes - 3 points  
MURDOCH: S1-internal, S1-external

EDU621 Australian Indigenous Education - 3 points  
MURDOCH: S1-internal, S1-external

EDN514 Professional Experience: Graduate Diploma Secondary - 3 points  
MURDOCH: ST2-placement

EDN509 Inclusive Education: Contemporary Perspectives and Practices - 3 points  
MURDOCH: S2-internal, S2-external

EDN511 Professional Internship: Preliminary Secondary Graduate Diploma - 3 points  
MURDOCH: ST3-placement, ST4-placement

EDN510 Professional Internship: Secondary Graduate Diploma - 6 points  
MURDOCH: ST3-placement, ST4-placement

#### **Specified Electives - 6 credit points**

Students are usually required to complete two Teaching Areas to maximise flexibility in their future employment opportunities. Where students have in their initial degree sufficient relevant content units for two Teaching Areas, they choose two Teaching Area units from the list below. Where students do not have sufficient relevant content units for two Teaching Areas, they choose one Teaching Area unit and one Non-teaching Area unit from the lists below.

#### **Teaching Areas - 3 or 6 credit points**

EDN552 Teaching Drama in Secondary Schools - 3 points  
MURDOCH: S1-internal

EDN553 Teaching English in Secondary Schools - 3 points  
MURDOCH: S1-internal, S1-external

EDN554 Teaching Mathematics in Secondary Schools - 3 points  
MURDOCH: S1-internal, S1-external

EDN556 Teaching Second/Foreign Languages in Secondary Schools - 3 points  
MURDOCH: S1-internal, S1-external

EDN557 Teaching Science in Secondary Schools - 3 points  
MURDOCH: S1-internal, S1-external

EDN558 Teaching Humanities and Social Sciences in Secondary Schools - 3 points  
MURDOCH: S1-internal, S1-external

#### **Non-teaching Area - 0 to 3 credit points**

EDN518 Professional Development Portfolio - 3 points  
MURDOCH: S1-external

EDN541 Practical Methods of Instruction - 3 points  
MURDOCH: S1-internal, S1-external

EDN571 Mentoring - 3 points  
MURDOCH: SP3-internal

EDN575 Opportunities with e-learning - 3 points  
Not available this year

EDN588 Curriculum Development for Practitioners - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

EDN546 Dynamics of Cultural Diversity in the Workplace and the Community - 3 points  
MURDOCH: S1-internal

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### **MASTER OF EDUCATION (COURSEWORK) (MED)**

School of Education

*Master of Education (MEd)*

Course Codes: M1208

Duration: 1.5 years full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

Restriction: All graduate courses are subject to restriction.

This is a three semester coursework degree designed to provide the education profession and the community in general with leaders capable of addressing critical issues in educational practice, policy and research. It is designed for: teachers, educational administrators, and other education professionals who seek to extend and deepen their expertise in Education; professionals carrying out educational duties in other relevant fields who seek

professional development and renewal; and those planning to proceed to the Doctor of Education.

Students undertake a research-based project of 6 points and 30 points of coursework. This is a coursework-classified course and it can be completed in internal or external mode or a combination of modes.

#### **Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent training, and a graduate-entry course in Education requiring at least a half year of full-time study, or part-time equivalent,  
OR three-year Bachelor of Arts in Education.  
OR individual applications to be considered on a case-by-case basis. Applicants will need to demonstrate that experience gained in any studies and or professional experience has provided them with the knowledge and skills to undertake the Master of Education.

Applicants with a recognised Bachelor's degree or higher, or equivalent qualification, and a graduate-entry course in Education requiring at least a half year of full-time study, or part-time equivalent, may be eligible for advanced standing of up to 12 points.

Participants applying for credit for professional workplace learning or work completed through accredited professional development courses or continuing education should contact the Academic Chair for advice. Credit may also be granted for Masters-level units completed in other courses at Murdoch or at other higher education institutions with a maximum advanced standing of 12 points.

International students demonstrating English competence via IELTS need a score of 6.5, with no individual band less than 6.0.

#### **Professional Recognition:**

This course does not constitute a teaching qualification and is not accredited by the Teacher Registration Board of Western Australia (TRBWA).

### **Course Structure - 36 credit points**

A minimum of 24 credit points must be at 600 level.

#### **Core Units - 12 credit points**

##### **Project Unit - 6 credit points**

Students should normally complete the Master of Education Project during their final semester of enrolment.

EDU660 Education Project - 6 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

##### **Research Methods Unit - 6 credit points**

Students who already have a background in research methods should consult the Academic Chair.

EDU610 Introduction to Research for Educators - 6 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

#### **Specified Electives - 24 credit points**

Select from the following units in consultation with the Academic Chair, with a maximum of 12 points at 500 level.

EDU645 Adult Learning in Education and Work - 3 points  
MURDOCH: S2-external

TLC501 Graduate Study in a Cross-Cultural Context - 3 points  
MURDOCH: S1-internal, S2-internal

EDU658 Critical Policy Analysis and Teachers' Work - 3 points  
Not available this year

EDU616 Teaching, Learning and Working in Culturally Diverse Environments - 3 points

MURDOCH: S1-internal, S1-external

EDU615 Learning and Teaching with ICT - 3 points  
MURDOCH: S2-external

EDU661 Student Engagement and Community Learning - 3 points  
MURDOCH: S2-external

EDN512 Critical Perspectives in Early Childhood Education - 3 points  
MURDOCH: S2-external

EDN546 Dynamics of Cultural Diversity in the Workplace and the Community - 3 points  
MURDOCH: S1-internal

MBS687 Effective Leadership - 3 points  
MURDOCH: S1-internal, S1-external

EDN588 Curriculum Development for Practitioners - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

EDN571 Mentoring - 3 points  
MURDOCH: SP3-internal

EDN518 Professional Development Portfolio - 3 points  
MURDOCH: S1-external

EDN513 International Education: Issues and Practices in Schools - 3 points  
MURDOCH: SP3-internal

EDU604 Different Englishes and Interpretations of Language, Culture and Identity - 3 points  
MURDOCH: S2-internal, S2-external

EDN575 Opportunities with e-learning - 3 points  
Not available this year

EDN544 Tertiary and Adult Education Policy - 3 points  
MURDOCH: S2-internal, S2-external

EDN538 Designing Early Childhood Learning Environments - 3 points  
Not available this year

EDN539 Professional Experience in Early Learning Centres - 3 points  
MURDOCH: ST2-placement, ST4-placement

EDN537 Babies and Toddlers Growing and Learning - 3 points  
MURDOCH: S1-external

EDN566 Pedagogies for Literacy and Numeracy in the Early Years - 3 points  
MURDOCH: S1-external

EDN522 Integrated Early Childhood Curriculum for Educators - 3 points  
MURDOCH: S2-internal, S2-external

EDN520 Advanced Principles and Practices in Early Childhood Education - 3 points  
MURDOCH: S1-internal (closed), S1-external

EDU621 Australian Indigenous Education - 3 points  
MURDOCH: S1-internal, S1-external

EDN540 Facilitating Lifelong Learning - 6 points  
MURDOCH: S1-internal, S1-external

EDN556 Teaching Second/Foreign Languages in Secondary Schools - 3 points  
MURDOCH: S1-internal, S1-external

## MASTER OF EDUCATION (COURSEWORK) (OFFSHORE) (MED)

School of Education

Master of Education (MEd)

Course Codes: M1198

Duration: 3 trimesters full-time or part-time equivalent

### Availability:

- Murdoch University International Study Centre (Dubai, UAE) ['DUBAI-ISC'] (internal) (by formal agreement) (language of instruction: English)

Restriction: All graduate courses are subject to restriction.

This is a three trimester coursework degree designed to provide the education profession and the community in general with leaders capable of addressing critical issues in educational practice, policy and research. It is designed for: teachers, educational administrators, and other education professionals who seek to extend and deepen their expertise in Education; professionals carrying out educational duties in other relevant fields who seek professional development and renewal; and those planning to proceed to the Doctor of Education.

Students undertake two core research units, including an introduction to research for educators and a culminating research-based project unit, for a total of 8 points. Specified electives will make up the remaining 28 points of coursework: a total of 9 units including the project. This is a coursework-classified course and it can only be completed internally at the Murdoch University International Study Centre (Dubai, UAE).

### Admission Requirements (Offshore):

Recognised Bachelor's degree or higher, or equivalent training, and a graduate-entry course in Education requiring at least a half year of full-time study, or part-time equivalent, OR a recognised Bachelor of Education or higher, or equivalent training, requiring at least four years of full-time study, or part-time equivalent, OR individual applications to be considered on a case-by-case basis.

Applicants with a three-year Bachelor of Arts in Education may be accepted. Applicants will need to demonstrate that experience gained in the BA and any subsequent studies and or professional experience has provided them with the knowledge and skills to undertake the Master of Education.

Participants may apply for credit for professional workplace learning or work completed through accredited professional development courses or continuing education. Credit may also be granted for Masters-level units completed in other courses at Murdoch or at other higher education institutions.

International students demonstrating English competence via IELTS need a score of 6.5, with no individual band less than 6.0.

### Course Structure - 36 credit points

A minimum of 24 credit points must be at 600 level.

### Core Units - 8 credit points

#### Project Unit - 4 credit points

EDU600 Education Project - 4 points  
DUBAI-ISC: TJD-internal, TMD-internal, TSD-internal

Students should normally complete the Master of Education Project during their final semester of enrolment.

#### Research Methods Unit - 4 credit points

Students who already have a background in research methods should consult the Academic Chair.

EDU603 Introduction to Research for Educators - 4 points  
DUBAI-ISC: TJD-internal, TSD-internal

### Specified Electives - 28 credit points

Select from the following:

EDU646 Cultural Diversity in Learning and Working - 4 points  
DUBAI-ISC: TJD-internal

EDU617 Learning and Teaching with ICT - 4 points  
DUBAI-ISC: TSD-internal

MBS671 Effective Leadership - 4 points  
DUBAI-ISC: TJD-internal, TSD-internal

EDU688 Curriculum Development for Practitioners - 4 points  
DUBAI-ISC: TJD-internal

EDU671 Mentoring - 4 points  
DUBAI-ISC: TMD-internal

EDU618 Professional Development Portfolio - 4 points  
DUBAI-ISC: TMD-internal

EDU613 International Education: Issues and Practices in Schools - 4 points  
DUBAI-ISC: TMD-internal

EDU619 Different Englishes and Interpretations of Language, Culture and Identity - 4 points  
DUBAI-ISC: TSD-internal

## MASTER OF EDUCATION (RESEARCH) (MED(RES))

School of Education

Master of Education (Research) (MEd(Res))

Course Codes: M1233

Duration: 1.5 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

Restriction: All graduate courses are subject to restriction.

This is an 18 month research degree designed to provide the education profession and the community in general with leaders capable of addressing critical issues in educational practice, policy and research. It is designed for: teachers, educational leaders and administrators, and other education professionals who seek to extend and deepen their expertise in Education; professionals carrying out educational duties in other relevant fields who seek professional development and renewal; and those planning to proceed to higher degrees. Students undertake a research dissertation (24 points) and 12 points of coursework. This is a research-classified course.

### Admission Requirements (Onshore):

To be eligible for admission as a candidate for a Master of Education (Research) an applicant must have:

- \* a Bachelor Degree in Education (AQF level 7), or equivalent, and satisfy the Graduate Research Manager with evidence of scholarly or professional attainments relevant to the proposed research discipline; or
- \* a Bachelor Degree in a different discipline (AQF level 7) and have successfully completed a graduate course in Education, or equivalent, requiring at least one year of equivalent full-time study (AQF level 8), and satisfy the Graduate Research Manager with evidence of scholarly or professional attainments relevant to the proposed research discipline; or
- \* a Bachelor Degree in a different discipline and satisfy the Graduate Research Manager with evidence of significant scholarly or professional attainments (of at least two years full-time duration or equivalent) in Education equivalent to AQF level 8.

English competence.

**Special Requirements:**

Internet access is a requirement for all external students.

**Additional Academic Progress Requirements:**

In order to progress to the dissertation component of this degree students must achieve a minimum of 65 percent in Research Methodology units and pass the exam; or obtain the permission of the Academic Chair.

**Course Structure - 36 credit points**

A student must normally enrol in a minimum of 6 points per semester of dissertation as a part-time student or 12 points per semester as a full-time student.

All students enrolling in this course will be required to complete a Graduate Program of Study (thesis plan) by the end of enrolment in the first 6 points of EDU700 Research in Education (Research Dissertation). This plan will be submitted through the School of Education's Research and Teaching Assistant to the Research and Development Board for approval.

**Core Units - 36 credit points**

EDU610 Introduction to Research for Educators - 6 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

EDU602 Developing Research Capacities for Educators - 6 points  
MURDOCH: S2-internal, S2-external

EDU700 Research in Education (Research Dissertation) - 12 points  
MURDOCH: R1-internal, R1-external, R2-internal, R2-external, RAU-internal, RAU-external, RSP-internal, RSP-external  
Full-time students should enrol in this unit for 12 points for each of two semesters; part-time students for 6 points for each of four semesters, or up to the maximum candidature time available.

**Additional Academic Progress Requirements**

In order to progress to the dissertation component of this degree students must achieve a minimum of 65 percent in Research Methodology units and pass the exam; or obtain the permission of the Academic Chair.

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**MASTER OF TEACHING (PRIMARY)  
(MTEACHPRIM)**

School of Education

Master of Teaching (Primary) (MTeachPrim)

Course Codes: M1230

Duration: 2 years full-time or 3 years part-time

**Availability:**

- Murdoch campus (internal)
- Some units only: Murdoch campus (external)

Restriction: All graduate courses are subject to restriction.

The Master of Teaching (Primary) is a two-year full-time equivalent (or three years part-time) initial teaching qualification for graduates who hold a Bachelor's degree in a non-Education field relevant to primary teaching. It offers graduates a professional preparation for teaching in primary schools, or for a wide range of other careers with an education focus. To be eligible, applicants must have at least one year of full-time-equivalent undergraduate study relevant to one or more of the learning areas of the Primary curriculum (English, Mathematics, the Arts, Science, Humanities and Social Sciences, Health and Physical Education).

**Admission Requirements (Onshore):**

A recognised Bachelor's degree or higher, with at least one year of full-time equivalent study relevant to one or more of the learning

areas of the Primary curriculum (i.e. English, Mathematics, the Arts, Science, Humanities and Social Sciences, Health and Physical Education). Entry to the course is competitive, and requires evidence of consistent and sustained high achievement (grades of credit and above) in a relevant undergraduate bachelor degree. The admission process may involve an interview.

Students demonstrating English competence via IELTS need an overall score of 7.0 with no individual band less than 7.0

**Special Requirements:**

The WA Department of Education and cooperating non-government schools have the right to determine 'fit and proper persons' to enter and practice in schools. This means all students must obtain two current mandatory checks. The first is a current Department of Education National Police History Check and the second a current WA Working with Children Check. Under the Working with Children (Criminal Record Checking) Act 2004 compulsory criminal record checks are required for people working with children. Refer to the School of Education Professional Experience web site for details: <http://www.murdoch.edu.au/School-of-Education/Professional-Experience/Checks-and-clearances/>

The form for the first check is also available from the WA Department of Education website. Federal and State police clearances obtained through police stations are not acceptable. Students should refer to the Study at Murdoch section of this Handbook for further details on this important matter.

It is important to understand that these two checks are mandatory and students are not permitted to enter schools without obtaining them.

For students with English as a second language the Australian Institute for Teaching and School Leadership (AITSL) requires an IELTS of 8 across all areas on graduation. All students must be able to undertake all professional experience units in one of Murdoch University's partnership schools in Western Australia. Part-time study is available for Year One of the course. Students must be available to study full time in Year Two.

**Employment Prospects:**

Murdoch graduates are employed in government and non-government schools and other education related occupations across Australia and throughout the world.

**Professional Accreditation:**

On successful completion of the course graduates will be able to seek registration from the Teacher Registration Board of Western Australia (TRBWA) and from other accrediting bodies across Australia.

**Course Structure - 48 credit points**

**Core Units - 48 credit points**

EDN5501 Transition to Teaching - 3 points  
MURDOCH: S1-internal, S1-external

EDN561 Understanding the Learner and the Learning Environment - 3 points  
MURDOCH: S1-internal, S1-external

EDN564 Mathematics in the Primary Curriculum - 3 points  
MURDOCH: S2-internal, S2-external

EDN565 English in the Primary Curriculum - 3 points  
MURDOCH: S2-internal, S2-external

EDN567 Professional Experience: Strategies for Effective Teaching - 3 points  
MURDOCH: S2-internal, S2-external

EDN568 Strategies for Effective Learning and Teaching - 3 points  
MURDOCH: S2-internal, S2-external

EDN562 Numeracy and Learning - 3 points  
MURDOCH: S1-internal, S1-external

EDN563 Literacy and Learning - 3 points  
MURDOCH: S1-internal, S1-external

EDN611 Professional Internship A: Differentiation within Diverse Contexts - 3 points  
Not available this year

EDN612 Understanding Diversity and Inclusion in Educational Settings - 3 points  
Not available this year

EDN613 The Integrated Curriculum in Primary Schools (HASS/HPE/Arts) - 3 points  
Not available this year

EDN614 Science in the Primary Curriculum - 3 points  
Not available this year

EDN615 Professional Internship B: Research in Practice - 6 points  
Not available this year

EDN617 Case Study Research Project - 3 points  
Not available this year

EDN616 Introduction to Research for Teachers - 3 points  
Not available this year

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## DOCTOR OF EDUCATION (EDD)

School of Education

Doctor of Education (EdD)

Course Codes: D1017

Duration: 3 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

Restriction: All graduate courses are subject to restriction.

The Doctor of Education is an intensive course of study leading to the professional doctorate degree in Education. It consists of coursework and applied research leading to a dissertation.

The purpose of the degree is to provide advanced level study in Education at a high degree of specialisation through applied research in a selected area of practice. On entry to the EdD, each candidate will be assigned a supervisor who will assist in the development of an approved plan of study appropriate to the intended specialisation. For this course, on-campus meetings are available through negotiation.

### Admission Requirements (Onshore):

Advanced academic study, research preparation and professional experience are required for admission to the course.

To be eligible for admission as a candidate for a Doctor of Education an applicant must have:

Bachelor Degree with at least a 2A Honours normally in the same discipline (AQF level 8); or  
a Masters Degree normally in the same discipline (AQF level 9) and satisfy the Graduate Research Manager with evidence of substantive and significant scholarly or professional attainments; or  
a Bachelor Degree normally in the same discipline (AQF level 7) and satisfy the Graduate Research Manager with evidence of substantive and significant scholarly or professional attainments including satisfactory research preparation the equivalent of AQF level 8 or 9. Students who have a Master of Education degree by coursework or research will be considered on a case-by-case basis for credit.

English competence.

### Employment Prospects:

Graduates are qualified to obtain high-level professional positions in a range of locations in the broad Education industry.

### Additional Academic Progress Requirements:

In order to progress to the dissertation component of this degree students must achieve a minimum of 65 percent across all units, a minimum of 65 percent in Research Methodology units and pass the exam or permission of the Academic Chair.

### Main Research Areas:

Education systems (e.g., early childhood education, higher education), curriculum and pedagogy, and specialist studies of education (e.g., learning sciences, educational assessment and evaluation, educational technology and computing, education policy, Aboriginal education).

### Additional Admission Requirements:

The entry requirements are the equivalent of a Bachelor of Education (or other relevant degree) with honours from a recognised university or equivalent and at least two years of relevant professional experience.

Students with a Master of Education by coursework degree may be asked to complete a small project as part of the first year of the Education Doctorate. At most students may be granted 12 points of credit; those who have a part-completed MEd will also be considered on a case-by-case basis and may be awarded credit on a pro rata basis, provided these studies were undertaken within the last 10 years. Despite the amount of credit which may be awarded for previous studies, students may be requested to enrol in up to 12 points of coursework at the 600-level, which their supervisor or the student considers to be advantageous either for professional development or for the completion of the dissertation. To count as credit towards the EdD, a student must normally pass the units at Credit level or above.

Candidates who do not meet the admission requirements may be offered a place in a preliminary course designed to prepare them for admission to the doctoral course. The specific studies to be completed within a preliminary course would be determined in each case by the School's Research Committee.

## Course Structure - 72 credit points

### Core Units - 66 credit points

EDU610 Introduction to Research for Educators - 6 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

EDU602 Developing Research Capacities for Educators - 6 points  
MURDOCH: S2-internal, S2-external

EDU701 Advanced Educational Research Seminar - 3 points  
MURDOCH: S2-internal, S2-external

EDU743 Advanced Qualitative Approaches to Research - 3 points  
MURDOCH: S2-internal, S2-external

EDU900 Research in Education (Research Dissertation) - 12 points

Full-time students should enrol in the thesis for 12 points for each of four semesters and part-time students for 6 points for each of eight semesters, or up to maximum candidature time available.

### Specified Electives - 6 credit points

In consultation with their supervisor, students select two 600-level units so as to develop knowledge in the appropriate substantive area and to strengthen research methodology knowledge and skills in preparation for undertaking the thesis project. In addition, a candidate may be permitted to take up to 6 points by Independent Study at 600 level or by undertaking units at another institution.

### Additional Academic Progress Requirements

In order to progress to the dissertation component of this degree students must achieve a minimum of 65 percent across all units, a

minimum of 65 percent in Research Methodology units and pass the exam or permission of the Academic Chair.

## ENERGY STUDIES

### **See also:**

Energy and the Environment

### **GRADUATE CERTIFICATE IN ENERGY STUDIES (GRADCERTENST)**

School of Engineering and Information Technology

Graduate Certificate in Energy Studies (GradCertEnSt)

Course Codes: C1105

Duration: 1 semester full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)
- International Online (Australia) ['INT-ONLINE'] (external) (International offshore students only)

Restriction: All graduate courses are subject to restriction.

The Graduate Certificate in Energy Studies is designed to cater for graduates of any discipline who wish to acquire knowledge and skills in the areas of energy management, energy systems or energy policy.

#### **Admission Requirements (Onshore):**

Recognised Bachelor's degree (AQF Level 7) or higher, or equivalent training, or satisfactory preparation for the course through previous study or professional experience.

Some of the units taken assume some prior knowledge, details of which are given in the description of each unit in the Handbook. The most common of these is the Physics prerequisite for units such as Energy in Society, Energy Management, Energy Systems and Energy Efficient Buildings. Some students may therefore need to complete additional prerequisite units.

English competence.

#### **Special Requirements:**

This course is available to external students anywhere in the world who wish to study off campus using printed or Internet materials. Assistance is provided by tutors by telephone, letter email or the Internet. External students usually study part-time, completing the certificate over one year or more.

#### **Employment Prospects:**

Graduates can expect to gain employment in power utilities, renewable energy manufacturing and installation companies, international aid organisations, Government departments, energy efficiency and environmental consultancies, university and private industry research organisations.

#### **Main Research Areas:**

Renewable energy, remote area power supply systems, components and monitoring, energy management, solar cells, wind turbines, energy policy and economics.

#### **Further Study:**

Students who successfully complete the Graduate Certificate may apply for admission to the Graduate Diploma in Energy Studies.

### **Course Structure - 12 credit points**

#### **Core Units - 12 credit points**

Select from the following:

PEN592 Energy in Society - 3 points

MURDOCH: S1-internal, S1-external, S2-external

PEN594 Energy Management - 3 points

MURDOCH: S1-internal, S1-external

PEN590 Energy Systems - 3 points

MURDOCH: S2-internal, S2-external

PEN587 Renewable Energy and Sustainable Development - 3 points

MURDOCH: S2-internal, S2-external

PEN591 Energy Policy - 3 points

MURDOCH: S2-internal, S2-external

PEN593 Energy Economics - 3 points

MURDOCH: S1-internal, S1-external

PEN501 Energy and Greenhouse Reporting - 3 points

MURDOCH: S1-internal, S1-external

### **GRADUATE DIPLOMA IN ENERGY STUDIES (GRADDIPENST)**

School of Engineering and Information Technology

Graduate Diploma in Energy Studies (GradDipEnSt)

Course Codes: G1065

Duration: 1 year full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)
- International Online (Australia) ['INT-ONLINE'] (external) (International offshore students only)

Restriction: All graduate courses are subject to restriction.

The Graduate Diploma in Energy Studies is intended to provide graduates with a one-year course of study that covers the core areas of energy studies. These skills may assist or enhance graduates' work in areas such as energy policy, energy economics, energy management and efficiency, sustainable energy systems design and planning, the environmental impact of energy systems and their use, as well as renewable energy research. It offers the opportunity to explore an area in depth via a short research project.

#### **Admission Requirements (Onshore):**

Recognised Bachelor's degree (AQF Level 7) or higher, or equivalent training, in a related area. Students with alternative, satisfactory preparation may also be admitted.

Some of the units taken assume some prior knowledge, details of which are given in the description of each unit in the Handbook. The most common of these is the Physics prerequisite for units such as Energy in Society, Energy Management, Energy Systems and Energy Efficient Buildings. Some students may therefore need to complete additional prerequisite units.

English competence.

#### **Special Requirements:**

Using printed and Internet facilities, students may complete this degree without needing to attend campus. Assistance is provided by tutors who correspond with students by telephone, email or the Internet.

#### **Employment Prospects:**

Graduates can expect to gain employment in this rapidly growing area in power generation companies, renewable energy manufacturing and installation companies, international aid organisations, Government departments, energy efficiency and environmental consultancies, university and private industry research organisations.

#### **Main Research Areas:**

Renewable energy, remote area power supply systems, components



and monitoring, energy management, solar cells, wind turbines, energy policy and economics.

**Further Study:**

Students who successfully complete the Graduate Diploma may apply for admission to the Master of Renewable Energy.

**Course Structure - 24 credit points**

**Core Units - 24 credit points**

PEN592 Energy in Society - 3 points  
MURDOCH: S1-internal, S1-external, S2-external

PEN594 Energy Management - 3 points  
MURDOCH: S1-internal, S1-external

PEN590 Energy Systems - 3 points  
MURDOCH: S2-internal, S2-external

PEN591 Energy Policy - 3 points  
MURDOCH: S2-internal, S2-external

PEN593 Energy Economics - 3 points  
MURDOCH: S1-internal, S1-external

PEN587 Renewable Energy and Sustainable Development - 3 points  
MURDOCH: S2-internal, S2-external

PEN501 Energy and Greenhouse Reporting - 3 points  
MURDOCH: S1-internal, S1-external

PEN596 Energy Studies Project - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external  
(this unit is usually taken in the last semester of the course)

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**MASTER OF RENEWABLE ENERGY (MRENEN)**

School of Engineering and Information Technology

Master of Renewable Energy (MRenEn)

Course Codes: M1218

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)
- International Online (Australia) ['INT-ONLINE'] (external)  
(International offshore students only)

*Restriction: All graduate courses are subject to restriction.*

This course offers advanced training in the area of renewable energy systems, sustainable energy policy or energy efficiency. It is the second year of a two-year program of study, the first year of which is the Postgraduate Diploma in Energy Studies or the Postgraduate Diploma in Energy and the Environment.

The renewable energy systems area of study is designed to provide graduates with specific training in advanced areas of renewable energy technology. The emphasis is on the design, analysis and implementation of energy systems, with particular emphasis on renewable energy systems. The renewable energy policy area of study is designed to provide graduates with training in advanced areas of renewable energy technology and policy. The emphasis is on policy analysis, market reforms and greenhouse accounting. The energy efficiency area of study, offered in conjunction with Massey University, is designed to provide graduates with training in advanced areas of energy management and energy efficiency, with particular emphasis on systems analysis and auditing and industrial and commercial technology.

The objectives of the course are:

- \* to provide a thorough training in the principles of sustainable energy systems;
- \* to introduce students to the practical aspects of renewable energy

systems design, monitoring and development (renewable energy systems area of study);

- \* to train engineers, scientists, environmental scientists and policy analysts to participate in the development of the renewable energy and energy efficiency industries in Australia and overseas;
- \* to address the social, economic and environmental issues involved with sustainable energy systems.

**Admission Requirements (Onshore):**

Recognised Honours degree (AQF Level 8) or higher, or equivalent training, in Sustainable Energy Management or Renewable Energy Engineering, or Graduate Diploma in Energy Studies, or Graduate Diploma in Energy and the Environment, or satisfactory preparation through previous study or professional experience.

Some of the units taken assume some prior knowledge, details of which are given in the description of each unit in the Handbook. Some students may therefore need to complete additional prerequisite units.

**Admission Requirements (Offshore):**

Recognised Honours degree (AQF Level 8) or higher, or equivalent training, in Sustainable Energy Management or Renewable Energy Engineering, or Graduate Diploma in Energy Studies, or Graduate Diploma in Energy and the Environment, or satisfactory preparation through previous study or professional experience.

Some of the units taken assume some prior knowledge, details of which are given in the description of each unit in the Handbook. Some students may therefore need to complete additional prerequisite units.

English competence.

**Special Requirements:**

This course is available to external students anywhere in the world who wish to study off campus by using printed and Internet facilities. Assistance is provided by tutors who correspond with students by telephone, email or the Internet.

**Employment Prospects:**

Graduates can expect to gain employment in power generation companies, renewable energy manufacturing and installation companies, international aid organisations, government departments, energy efficiency and environmental consultancies, university and private industry research organisations.

**Main Research Areas:**

Renewable energy, remote area power supply systems, components and monitoring, energy management, solar cells, wind turbines, energy policy and economics.

**Articulation:**

This course articulates with the Graduate Diploma and Graduate Certificate in Energy Studies. Direct entry from the Graduate Diploma in Energy and the Environment is also possible.

**Course Structure - 24 credit points**

**Core Units - 15 credit points**

PEN620 Case Studies of Renewable Energy Systems - 3 points  
MURDOCH: S2-internal, S2-external

PEN624 Renewable Energy Dissertation - 12 points  
MURDOCH: H-internal, H-external, Y-internal, Y-external

**Specified Electives - 9 credit points**

Students who wish to complete other appropriate elective units from those available at the University may do so with the permission of the Academic Chair. Online students may be more restricted in the electives they can take.

**Renewable Energy Systems**

PEN622 Renewable Energy Resources - 3 points  
MURDOCH: S1-internal, S1-external

PEN621 Renewable Energy Devices - 3 points  
MURDOCH: S1-internal, S1-external

PEN623 Renewable Energy Systems Design - 3 points  
MURDOCH: S1-internal, S1-external

### Renewable Energy Policy

PEN632 Greenhouse Science and Policy - 3 points  
MURDOCH: H-external, S1-internal, S1-external

PEN627 Electricity Markets - 3 points  
MURDOCH: S2-internal, S2-external

PEN611 Life Cycle Assessment - 3 points  
MURDOCH: S2-internal, S2-external

### Energy Efficiency

PEN625 Energy Efficiency, System Analysis and Auditing - 3 points  
MURDOCH: S2-external, Y-external

PEN626 Industrial and Commercial Energy Efficiency Technologies - 3 points  
MURDOCH: S2-external

PEN670 Energy Efficient Buildings - 3 points  
MURDOCH: S1-internal, S1-external

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## ENERGY AND THE ENVIRONMENT

### See also:

Energy Studies  
Environmental Science

### GRADUATE DIPLOMA IN ENERGY AND THE ENVIRONMENT (GRADDIPENENV)

School of Engineering and Information Technology

Graduate Diploma in Energy and the Environment (GradDipEnEnv)

Course Codes: G1062

Duration: 1 year full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

Restriction: All graduate courses are subject to restriction.

This diploma is intended to provide graduate training for Australian and international professionals working, or wishing to work, in the field of environmental management of the energy industry. The course is interdisciplinary in nature, consisting of units drawn from the areas of energy studies and environmental impact assessment. The objective of the course is to provide students with an understanding of the policy context of energy systems, the environmental impacts associated with these systems, and their assessment and subsequent monitoring. The course will be relevant to consultants wishing to practice in this field and to people employed by various private and public organisations that are active in the energy and environment area. It contains a specialisation in Global Warming and Climate Science which is directed towards addressing the impacts of global warming and the development of mitigation and adaptation methods.

The course is directed to the interface between energy studies and environmental impact assessment and assumes some prior knowledge. Students can complete the course with a focus upon the policy and/or the scientific aspects of the environmental management of the energy industry.

### Admission Requirements (Onshore):

Recognised Bachelor's degree (AQF Level 7) or higher, or

equivalent training, or professional experience in a related area.

Some of the units taken assume some prior knowledge, details of which are given in the description of each unit in the Handbook. The most common of these is the Physics prerequisite for units such as Energy in Society, Energy Management, Energy Systems and Energy Efficient Buildings. Some students may therefore need to complete additional prerequisite units.

English competence.

### Special Requirements:

This course is available to external students anywhere in the world who wish to study off campus by using printed and Internet facilities. Assistance is provided by tutors, using telephone, email, or the Internet. When studied in the external mode, some attendance may be required for some Environmental Science units.

### Employment Prospects:

Graduates can expect to gain employment in power generation companies, renewable energy manufacturing and installation companies, international aid organisations, government departments, energy efficiency and environmental consultancies, university and private industry research organisations.

### Main Research Areas:

Renewable energy, remote area power supply systems, components and monitoring, energy management, solar cells, wind turbines, energy policy and economics, environmental impact assessment.

### Further Study:

Students who successfully complete the Graduate Diploma may apply for admission to the Master of Environmental Science or the Master of Renewable Energy.

### Energy, Environment and Sustainability Specialisation

#### Course Structure - 24 credit points

#### Core Units - 3 credit points

PEN592 Energy in Society - 3 points  
MURDOCH: S1-internal, S1-external, S2-external

#### Specified Electives - 21 credit points

Only two (2) units at 600 level can be chosen as a Specified Elective.

#### Energy Studies Units - 9 to 12 credit points

Select from the following:

PEN594 Energy Management - 3 points  
MURDOCH: S1-internal, S1-external

PEN590 Energy Systems - 3 points  
MURDOCH: S2-internal, S2-external

PEN591 Energy Policy - 3 points  
MURDOCH: S2-internal, S2-external

PEN593 Energy Economics - 3 points  
MURDOCH: S1-internal, S1-external

PEN632 Greenhouse Science and Policy - 3 points  
MURDOCH: H-external, S1-internal, S1-external

PEN670 Energy Efficient Buildings - 3 points  
MURDOCH: S1-internal, S1-external

PEN587 Renewable Energy and Sustainable Development - 3 points  
MURDOCH: S2-internal, S2-external

PEN596 Energy Studies Project - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external  
(this unit is usually taken in the last semester)

PEN501 Energy and Greenhouse Reporting - 3 points  
MURDOCH: S1-internal, S1-external

### **Environmental Science Units - 9 to 12 credit points**

Select from the following:

ENV616 Environmental Policy for the 21st Century - 3 points  
MURDOCH: S1-internal, S1-external

ENV684 Earth System Science - 3 points  
MURDOCH: S2-internal, S2-external

ENV558 Environmental Monitoring - 3 points  
MURDOCH: S2-internal, S2-external

ENV303 GIS for Environmental Management and Planning - 3 points  
MURDOCH: S2-internal, S2-external

ENV552 Comparative Environmental Policy and Law - 3 points  
MURDOCH: S1-internal

ENV556 Principles of Environmental Impact Assessment - 3 points  
MURDOCH: S1-internal, S1-external

ENV557 Environmental Assessment and Management - 3 points  
MURDOCH: S1-internal, S1-external

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### **Global Warming and Climate Science Specialisation**

#### **Course Structure - 24 credit points**

##### **Core Units - 24 credit points**

PEN591 Energy Policy - 3 points  
MURDOCH: S2-internal, S2-external

PEN592 Energy in Society - 3 points  
MURDOCH: S1-internal, S1-external, S2-external

PEN632 Greenhouse Science and Policy - 3 points  
MURDOCH: H-external, S1-internal, S1-external

ENV558 Environmental Monitoring - 3 points  
MURDOCH: S2-internal, S2-external

PEN596 Energy Studies Project - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

PEN501 Energy and Greenhouse Reporting - 3 points  
MURDOCH: S1-internal, S1-external

ENV303 GIS for Environmental Management and Planning - 3 points  
MURDOCH: S2-internal, S2-external

ENV557 Environmental Assessment and Management - 3 points  
MURDOCH: S1-internal, S1-external

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## **ENGINEERING**

### **See also:**

Chemistry  
Engineering Technology  
Environmental Science  
Extractive Metallurgy

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### **GRADUATE DIPLOMA IN ENGINEERING (GRADDIPENG)**

School of Engineering and Information Technology

*Graduate Diploma in Engineering (GradDipEng)*

Course Codes: G1070

Duration: 1 year full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal)

*Restriction: All graduate courses are subject to restriction.*

The Graduate Diploma in Engineering is intended for practising professionals who wish to update their existing qualifications and/or enhance their skills in the areas of process control, instrumentation and industrial computer systems engineering.

The Graduate Diploma in Engineering offers a single specialisation in instrumentation and control engineering.

#### **Admission Requirements (Onshore):**

Recognised Bachelor's degree in an area relevant to the specialisation available (AQF Level 7 or higher), for example in an Engineering area relevant to the specialisation available. Normally applicants will also possess an appropriate level of industrial experience. Applicants without the necessary qualifications and/or background will be required to study additional units as part of the course requirements.

English competence.

#### **Employment Prospects:**

Graduates can find employment in the following areas of manufacturing, medical, mining, processing energy supply, communications, electronics, computer systems and defence-related industries.

#### **Professional Recognition:**

This course is designed to maintain and/or further the needs of Continuing Professional Education of Engineers in the areas of instrumentation and control and industrial computer systems engineering.

### **Course Structure - 24 credit points**

#### **Core Units - 24 credit points**

ENG550 Design Project - 3 points  
MURDOCH: S1-internal, S2-internal, SUM-internal

ENG502 Computer Based Measurement and Control - 3 points  
MURDOCH: S2-internal

ENG508 Instrumentation and Control II - 3 points  
MURDOCH: S2-internal

ENG525 Instrumentation and Control - 3 points  
MURDOCH: S1-internal

ENG563 Processes, Simulation and Instrumentation - 3 points  
MURDOCH: S1-internal

ENG501 PLC Applications - 3 points  
MURDOCH: S1-internal

ENG514 Industrial Signals and Systems - 3 points  
MURDOCH: S1-internal, S2-internal, SUM-internal

ENG564 Instrumentation and Communication - 3 points  
MURDOCH: S2-internal

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## **MASTER OF ENGINEERING (ME)**

School of Engineering and Information Technology

*Master of Engineering (ME)*

Course Codes: M1193

Duration: 2 years full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal)

*Restriction: All graduate courses are subject to restriction.*

The Master of Engineering is intended for practising professionals who wish to update their existing qualifications and/or enhance their skills in the areas of process control, instrumentation and

industrial computer systems engineering. The ME offers a single specialisation in instrumentation and control engineering.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree in an area relevant to the specialisation available. Normally applicants will also possess an appropriate level of industrial experience. Applicants without the necessary qualifications and/or background will be required to study additional units as part of the course requirements.

English competence.

**Special Requirements:**

Some units in this course are offered in a flexible delivery mode, allowing candidates to complete some of their studies at home or at their workplace.

**Employment Prospects:**

Graduates can find employment in manufacturing, medical, mining, processing, energy supply, communications, electronics, computer-systems and defence-related industries.

**Professional Recognition:**

This course can be used to meet the continuing professional education requirements of engineers in the areas of instrumentation and control and industrial computer systems engineering.

**Course Structure - 48 credit points**

**Core Units - 48 credit points**

ENG550 Design Project - 3 points

MURDOCH: S1-internal, S2-internal, SUM-internal

ENG670 Research Principles and Methods - 3 points

MURDOCH: S1-internal, S2-internal, SUM-internal

ENG691 Hazard, Risk and Project Management - 3 points

MURDOCH: S1-internal, S2-internal

ENG615 Engineering Masters Project - 12 points

MURDOCH: H-internal, S1-internal, S2-internal, SUM-internal, Y-internal

ENG502 Computer Based Measurement and Control - 3 points

MURDOCH: S2-internal

ENG508 Instrumentation and Control II - 3 points

MURDOCH: S2-internal

ENG525 Instrumentation and Control - 3 points

MURDOCH: S1-internal

ENG563 Processes, Simulation and Instrumentation - 3 points

MURDOCH: S1-internal

ENG668 Control System Investigation - 3 points

MURDOCH: S1-internal

ENG501 PLC Applications - 3 points

MURDOCH: S1-internal

ENG514 Industrial Signals and Systems - 3 points

MURDOCH: S1-internal, S2-internal, SUM-internal

ENG564 Instrumentation and Communication - 3 points

MURDOCH: S2-internal

ENG617 Industrial Computer Systems - 3 points

MURDOCH: S1-internal, S2-internal

## ENVIRONMENTAL ASSESSMENT AND MANAGEMENT

**See also:**

Environmental Science

### GRADUATE CERTIFICATE IN ENVIRONMENTAL ASSESSMENT AND MANAGEMENT (GRADCERTENVASSTMAN)

School of Veterinary and Life Sciences

Graduate Certificate in Environmental Assessment and Management (GradCertEnvAsstMan)

Course Codes: C1118

Duration: 1 semester full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)
- International students must commence in Semester 1 only.

*Restriction: All graduate courses are subject to restriction.*

Environmental professionals are required to have a clear understanding of the various procedures and activities involved in environmental assessment and management. This course is designed to provide Australian and overseas environmental professionals with an understanding of the policies, procedures and techniques of environmental management through practically-oriented study. The course will be relevant to consultants and to people employed by private and public organisations that are active in environmental practice. The course aims to provide a multidisciplinary education to further develop knowledge and understanding of selected principles and techniques employed in environmental management; it is structured with maximum flexibility to meet the needs of students.

**Admission Requirements (Onshore):**

A recognised Bachelor Degree (AQF Level 7) or higher or equivalent training. If the first degree is not related to this area of study then at least two years of relevant work/life experience is required. Most of the units taken assume some prior knowledge, details of which are given in the description of each unit in the Handbook. Some students may therefore need to complete additional prerequisite units.

English competence.

**Special Requirements:**

When studied in the external mode, some attendance is required. Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Employment Prospects:**

This course will be relevant to consultants wishing to practice in this field, and to people employed by private and public organisations that are active in environmental management.

**Further Study:**

Students who successfully complete the Graduate Certificate in Environmental Assessment and Management may apply for admission to the Graduate Certificate in Environmental Science or Master of Environmental Science.

**Course Structure - 12 credit points**

University regulations require completion of units at 500-level or above.

**Core Units - 6 credit points**

ENV556 Principles of Environmental Impact Assessment - 3 points  
MURDOCH: S1-internal, S1-external

ENV557 Environmental Assessment and Management - 3 points  
MURDOCH: S1-internal, S1-external

### Specified Electives - 6 credit points

Select from the following:

ENV554 Land and Water Management - 3 points  
MURDOCH: S1-internal, S1-external

ENV552 Comparative Environmental Policy and Law - 3 points  
MURDOCH: S1-internal

ENV527 Environmental Science Topics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

ENV526 Advanced Ecology - 3 points  
MURDOCH: S2-internal, S2-external

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## ENVIRONMENTAL MANAGEMENT

### See also:

Environmental Science

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## GRADUATE CERTIFICATE IN PROTECTED AREA ADMINISTRATION (GRADCERTPAADMIN)

School of Veterinary and Life Sciences

Graduate Certificate in Protected Area Administration  
(GradCertPAAdmin)

Course Codes: C1129

Duration: 1 semester full-time or part-time equivalent. Students commencing mid-year will need two semesters minimum enrolment to complete requirements.

### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

Restriction: All graduate courses are subject to restriction.

This certificate course is designed to provide overseas and Australian middle level to senior protected area managers with up-to-date skills and knowledge in effectively administering protected areas. State-of-the-art information on managing human resources and complex organisations will be provided through practically oriented study. Students will also be able to build their expertise in monitoring, strategic assessment and system planning. This course is relevant to managers employed by public and private organisations managing lands and waters for biodiversity and other values.

### Admission Requirements (Onshore):

Cognate Bachelor degree or equivalent workplace experience.

English competence.

### Special Requirements:

Some units may be delivered in intensive mode.

### Employment Prospects:

Employment by government park management agencies (e.g. Commonwealth Department of Environment, WA Department of Parks and Wildlife, Parks Victoria), environmental non-government organisations (e.g. Pew Foundation), private reserve managers (e.g. Bush Heritage Australia), Indigenous Protected Areas.

### Professional Recognition:

The professional outcome is a Certificate in Protected Area Administration addressing key competency requirements identified internationally (by the IUCN WCPA) for protected area managers.

### Main Research Areas:

Environmental science and management, ecology, business and

management.

## Course Structure - 12 credit points

### Core Units - 9 credit points

MBS538 Organisational Behaviour and Management - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MBS555 Human Resource Management Perspectives - 3 points  
MURDOCH: S1-internal, S1-external

ENV558 Environmental Monitoring - 3 points  
MURDOCH: S2-internal, S2-external

OR

ENV557 Environmental Assessment and Management - 3 points  
MURDOCH: S1-internal, S1-external

### Specified Electives - 3 credit points

Select from the following:

ENV536 Engaging with a Sustainable Future - 3 points  
MURDOCH: S2-internal, S2-external

ENV552 Comparative Environmental Policy and Law - 3 points  
MURDOCH: S1-internal

ENV527 Environmental Science Topics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MBS536 Financial Management Decision Making - 3 points  
MURDOCH: S1-internal

SWM509 Public Policy: Theory and Practice - 3 points  
MURDOCH: S1-internal

Plus specific units offered through University of Tasmania, James Cook University and Charles Darwin University.

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## MASTER OF PROTECTED AREA MANAGEMENT (MPAMAN)

School of Veterinary and Life Sciences

Master of Protected Area Management (MPAMan)

Course Codes: M1231

Duration: 2 semesters full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

Restriction: All graduate courses are subject to restriction.

This Masters course is designed to provide overseas and Australian middle level to senior protected area managers with up-to-date skills and knowledge in effectively managing and developing policy for protected areas. Globally relevant information on planning, managing, administering and protecting these areas will be provided through investigating the latest theories and practical case studies. Students will build their expertise in landscape-scale planning and management, environmental monitoring, and collaborative governance and management, especially with Indigenous communities.

### Admission Requirements (Onshore):

Completion of the Graduate Certificate in Protected Area Administration, Graduate Certificate in Environmental Assessment and Management, Graduate Certificate or Diploma in Environmental Science, or an equivalent AQF Level 8 qualification, including honours, in the biological, ecological, or environmental sciences. Students with a Bachelor's degree in the biological, ecological, environmental or animal sciences with at least three years of relevant work experience are also eligible for admission as determined by the Academic Chair.

Students demonstrating English competence via IELTS need an overall score of 6.5 with no individual band less than 6.0, or equivalent proficiency test. Students who undertake English for Academic Purposes (EAP) will still be required to sit a proficiency test.

**Special Requirements:**

Some units may be delivered in intensive mode.

**Employment Prospects:**

Employment in senior positions by government park management agencies (e.g. Commonwealth Department of Environment, WA Department of Parks and Wildlife, Parks Victoria), environmental non-government organisations (e.g. Pew Foundation), private reserve managers (e.g. Bush Heritage Australia), Indigenous Protected Areas.

**Professional Recognition:**

The professional outcome is addressing key competency requirements identified internationally (by the IUCN WCPA) for protected area managers.

**Main Research Areas:**

Environmental science and management, ecology, business and management

# 6

## Course Structure - 24 credit points

### Core Units - 12 to 15 credit points

Select from the following:

ENV637 Advanced Protected Area Management and Planning - 3 points  
MURDOCH: S1-internal, S1-external

ENV638 Conservation Science - 3 points  
Not available this year

ENV617 Sustainability Assessment - 3 points  
MURDOCH: S1-internal, S1-external

ENV616 Environmental Policy for the 21st Century - 3 points  
MURDOCH: S1-internal, S1-external

VLS683 Advanced Research Methods for Scientists - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

### Specified Electives - 9 or 12 credit points

Select from the following:

VLS6291 Life Sciences Masters Research Dissertation - 6 points  
MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

OR

VLS6292 Life Sciences Masters Research Dissertation - 9 points  
MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

VLS6902 Life Sciences Masters Project - 6 points  
MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

OR

VLS6903 Life Sciences Masters Project - 9 points  
MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

SWM614 Policy Design - 3 points  
MURDOCH: S2-internal

MBS687 Effective Leadership - 3 points  
MURDOCH: S1-internal, S1-external

Plus specific units offered through University of Tasmania, James

Cook University and Charles Darwin University.

## ENVIRONMENTAL SCIENCE

**See also:**

Environmental Management  
Marine Science

### GRADUATE CERTIFICATE IN ENVIRONMENTAL SCIENCE (GRADCERTENVSC)

School of Veterinary and Life Sciences

Graduate Certificate in Environmental Science (GradCertEnvSc)

Course Codes: C1127

Duration: 1 semester full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external) (some attendance is required in individual units)
- International students must commence in Semester 2 only.

Restriction: All graduate courses are subject to restriction.

The course is designed to provide Australian and international environmental professionals with an introduction to advanced topics and skills in environmental science. The flexibility and interdisciplinary approach of the program gives students the opportunity to further develop problem solving skills. Completion of the Graduate Certificate in Environmental Science provides the opportunity for further study at progressive graduate levels in Environmental Science.

**Admission Requirements (Onshore):**

A recognised Bachelor Degree (AQF Level 7) in Environmental Science, Marine Science, Biological Science, Conservation Science or a closely related field of education.

English competence.

**Special Requirements:**

This course is available externally, although some attendance is required in individual units. Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Employment Prospects:**

This course is relevant to those who wish to practise in environmental science in the public and private sectors, in Australia and overseas.

**Further Study:**

Students who successfully complete the Graduate Certificate in Environmental Science may apply for admission to the Master of Environmental Science.

**Exemption from Coursework Regulations:**

In this course, where appropriate, undergraduate units (between 100- and 400-level) have been included to meet the learning outcomes for the entire course: graduate students can expect to be part of a learning community with undergraduate students in these units.

### Course Structure - 12 credit points

#### Core Units - 6 credit points

ENV558 Environmental Monitoring - 3 points  
MURDOCH: S2-internal, S2-external

ENV303 GIS for Environmental Management and Planning - 3 points

MURDOCH: S2-internal, S2-external

### Specified Electives - 6 credit points

ENV526 Advanced Ecology - 3 points  
MURDOCH: S2-internal, S2-external

ENV527 Environmental Science Topics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

ENV536 Engaging with a Sustainable Future - 3 points  
MURDOCH: S2-internal, S2-external

ENV552 Comparative Environmental Policy and Law - 3 points  
MURDOCH: S1-internal

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## GRADUATE DIPLOMA IN ENVIRONMENTAL SCIENCE (GRADDIPENV)

School of Veterinary and Life Sciences

Graduate Diploma in Environmental Science (GradDipEnv)

Course Codes: G1053

Duration: 1 year full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)
- Some units only: Murdoch campus (external) (all but one unit)

Restriction: All graduate courses are subject to restriction.

The course provides graduates from wide cognate disciplines training and a graduate qualification in environmental science. It offers a broad range of subjects such as ecology, environmental policy and law, environmental monitoring, land and water management and sustainability. Completion of this course provides the opportunity for further study at progressive graduate levels in Environmental Science.

### Admission Requirements (Onshore):

A recognised Bachelor degree (AQF Level 7) or higher or equivalent training. If the first degree is not related to this area of study then at least two years of relevant work/life experience is required. Most of the units taken assume some prior knowledge, details of which are given in the description of each unit in the Handbook. Some students may therefore need to complete additional prerequisite units.

English competence.

### Special Requirements:

When taken in the external mode, some attendance may be required depending on the units selected.

### Employment Prospects:

This course is relevant to those who wish to practise in environmental science in the public and private sectors in Australia and overseas.

### Further Study:

Students who successfully complete this Graduate Diploma may apply for admission to the Master of Environmental Science.

### Exemption from Coursework Regulations:

In this course, where appropriate, undergraduate units (between 100- and 400-level) have been included to meet the learning outcomes for the entire course: graduate students can expect to be part of a learning community with undergraduate students in these units.

## Course Structure - 24 credit points

### Core Units - 24 credit points

ENV557 Environmental Assessment and Management - 3 points  
MURDOCH: S1-internal, S1-external

ENV552 Comparative Environmental Policy and Law - 3 points  
MURDOCH: S1-internal

ENV554 Land and Water Management - 3 points  
MURDOCH: S1-internal, S1-external

ENV536 Engaging with a Sustainable Future - 3 points  
MURDOCH: S2-internal, S2-external

ENV558 Environmental Monitoring - 3 points  
MURDOCH: S2-internal, S2-external

ENV303 GIS for Environmental Management and Planning - 3 points  
MURDOCH: S2-internal, S2-external

ENV527 Environmental Science Topics - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

ENV526 Advanced Ecology - 3 points  
MURDOCH: S2-internal, S2-external

Students who have completed units with similar outcomes as the Core Units listed will need to complete other units as approved by the Academic Chair.

Recommended:

SUS512 Sustainability, Ecology and Communities - 3 points  
MURDOCH: S1-internal, S1-external

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## MASTER OF ENVIRONMENTAL SCIENCE (MENVSC)

School of Veterinary and Life Sciences

Master of Environmental Science (MEnvSc)

Course Codes: M1210

Duration: 1 year full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

Restriction: All graduate courses are subject to restriction.

This course provides advanced training in the application of environmental science to problem solving. The course is open to people working as environmental professionals, or seeking to do so, who want to undertake advanced studies in environmental science to broaden their environmental expertise or specialise further in a selected area.

This course facilitates improved awareness of environmental issues from technical, social and political perspectives, and provides more specific knowledge in areas of particular interest to individual students. This course aims to supply leaders to the environmental professions with the interdisciplinary scientific and policy skills required to deal with today's complex environmental problems. Graduates from the course are well equipped to contribute to continuing improvement in environmental management practices.

### Admission Requirements (Onshore):

Completion of the Graduate Certificate in Environmental Assessment and Management or Graduate Certificate in Environmental Science or Graduate Diploma in Environmental Science (AQF Level 8), or an equivalent graduate course in a closely related field of education; or equivalent training.

English competence.

### Special Requirements:

Some external units may require on-campus attendance for a short period. Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Employment Prospects:**

Past students have come from and/or found employment in the public and private sectors, including the consulting industry, in Australia and overseas.

**Course Structure - 24 credit points**

University regulations require completion of 600-level units or above for a 24-point Masters by Coursework degree.

**Core Units - 18 credit points**

ENV616 Environmental Policy for the 21st Century - 3 points  
MURDOCH: S1-internal, S1-external

VLS683 Advanced Research Methods for Scientists - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

VLS690 Life Sciences Masters Project - 12 points  
MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

**Specified Electives - 6 credit points**

Select from the following:

ENV617 Sustainability Assessment - 3 points  
MURDOCH: S1-internal, S1-external

ENV684 Earth System Science - 3 points  
MURDOCH: S2-internal, S2-external

ENV680 Climate Change Adaptation: Ecosystems and Societies - 3 points  
MURDOCH: S2-internal, S2-external

SUS611 Resilient Regions: People and Practice - 3 points  
MURDOCH: SUM-internal (quota of 10 places), SUM-external

Other appropriate 600-level units may be substituted with the permission of the Academic Chair.

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**EXTRACTIVE METALLURGY****See also:**

Mineral Science

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**GRADUATE DIPLOMA IN EXTRACTIVE METALLURGY (GRADDIPEXTMET)**

School of Engineering and Information Technology

Graduate Diploma in Extractive Metallurgy (GradDipExtMet)

Course Codes: G1034

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

Restriction: All graduate courses are subject to restriction.

The Graduate Diploma provides specialised training in the core disciplines of extractive metallurgy - mineral processing, hydrometallurgy and pyrometallurgy. It has been devised for the benefit of graduates currently working in the minerals industry who now find they need specialised knowledge in extractive metallurgy, and others who wish to prepare for a higher degree in extractive metallurgy (i.e. Masters or PhD).

**Admission Requirements (Onshore):**

Recognised Bachelor's degree (AQF Level 7) or higher, or equivalent training, in a relevant area. Students with alternative satisfactory preparation may also be admitted. Students who do not have equivalent knowledge and background in chemistry, thermodynamics, physics and mathematics will be required to undertake additional preparatory units prior to admission.

English competence.

**Special Requirements:**

This course is best suited for part-time students or overseas students who wish to study for a higher degree in extractive metallurgy. Attendance at on-campus laboratory sessions is a requirement in the practicum unit.

**Employment Prospects:**

Many students taking this qualification will already be employed in the minerals industry as engineers or chemists. Other graduates can expect to find employment in mineral processing and metal extraction plants throughout Australia and overseas.

**Professional Accreditation:**

Recognised by the Australasian Institute of Mining and Metallurgy.

**Professional Recognition:**

Diplomates are eligible for professional membership of the Australasian Institute of Mining and Metallurgy.

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**Course Structure - 24 credit points****Core Units - 24 credit points**

ENG193 Introduction to the Minerals Industry - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

ENG524 Metallurgical Unit Operations - 3 points  
MURDOCH: S1-internal, S1-external

ENG565 Mineralogy for Metallurgists - 3 points  
MURDOCH: S2-internal, S2-external

ENG566 Advanced Mineral Processing - 3 points  
MURDOCH: S1-internal, S1-external

ENG527 Extractive Metallurgy I - 3 points  
MURDOCH: S1-internal, S1-external

ENG528 Extractive Metallurgy II - 3 points  
MURDOCH: S2-internal, S2-external

ENG562 Practical Metallurgical Processing - 6 points  
MURDOCH: H-external, Y-external

Or other units with permission of the Academic Chair.

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**FOOD SECURITY**

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**MASTER OF FOOD SECURITY (MFOODSEC)**

School of Veterinary and Life Sciences

Master of Food Security (MFoodSec)

Course Codes: M1237

Duration: 2 semesters full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Some units only: Murdoch campus (external) (all but one unit)

Restriction: All graduate courses are subject to restriction.

This course provides a sound understanding of food security, including international frameworks in which food trade operates, and the drivers behind food security. Using case studies, students will explore biosecurity and food policies that underpin food security and trade in a global context. Students will investigate the concept of producing, protecting and providing food, to ensure sustainable food production for present and future generations. The project/internship provides an opportunity for in-depth analysis of an issue of relevance in the workplace.

**Admission Requirements (Onshore):**

Completion of the Graduate Certificate or Diploma in Plant



Biosecurity or an equivalent AQF Level 8 qualification, including honours, in the plant, ecological, environmental or animal sciences. Students with a Bachelor's degree in the plant, ecological, environmental or animal sciences with at least three years of relevant work experience are also eligible for admission as determined by the Academic Chair.

Students demonstrating English competence via IELTS need an overall score of 6.5 with no individual band less than 6.0, or equivalent proficiency test. Students who undertake English for Academic Purposes (EAP) will still be required to sit a proficiency test.

**Special Requirements:**

Some units may be delivered in intensive mode.

**Employment Prospects:**

Graduates will be able to pursue careers in fields such as agriculture and international development, acting in policy, technical, research and administrative roles, with organisations such as the State Departments of Agriculture, State and Federal Agriculture or Development Agencies, and private industry, or their international counterparts.

**Professional Recognition:**

Graduates will be eligible to apply for membership to societies such as the Australian Institute of Agricultural Science and the Australian Society of Horticultural Sciences.

**Main Research Areas:**

Food production, protection and provision; biosecurity; agribusiness; sustainability; supply chain analysis.

**Course Structure - 24 credit points**

**Core Units - 15 credit points**

BIO639 Biosecurity Threats and Invasions - 3 points  
MURDOCH: S1-internal, S1-external

BIO681 Challenges in Food Security - 3 points  
MURDOCH: S2-internal

MBS698 Food Systems and Agriculture Business - 3 points  
MURDOCH: S2-internal, S2-external

VLS683 Advanced Research Methods for Scientists - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

ENV616 Environmental Policy for the 21st Century - 3 points  
MURDOCH: S1-internal, S1-external

**Specified Electives - 9 credit points**

Select from the following:

VLS6292 Life Sciences Masters Research Dissertation - 9 points  
MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

VLS6903 Life Sciences Masters Project - 9 points  
MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

**FORENSIC SCIENCE**

**GRADUATE CERTIFICATE IN FORENSIC SCIENCE (PROFESSIONAL PRACTICE) (GRADCERTFORSC(PROFESSIONALPRACTICE))**

School of Veterinary and Life Sciences

Graduate Certificate in Forensic Science (Professional Practice)  
(GradCertForSc(ProfessionalPractice))

Course Codes: C1131

Duration: 1 semester full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

Restriction: All graduate courses are subject to restriction.

This course provides graduates in life sciences with professional training in forensic science leading to the acquisition of skills relevant to criminal investigation. Crime scene reconstruction is emphasised as is the collection, processing and interpretation of biological and physical evidence. Instruction in anatomy, pathology and death-investigation is provided with a focus on injury-recognition. Specimen preparation, sources of contamination, quality assurance, statistical interpretation and the admissibility of evidence are discussed as a prelude to the preparation and delivery of courtroom testimony.

**Admission Requirements (Onshore):**

A recognised Bachelor Degree (AQF Level 7) in Forensic Science, Biomedical Science, Molecular Biology, Biotechnology or a closely related field of education; or equivalent training.

English competence.

**Employment Prospects:**

This course is designed to generate graduates with the skills needed to work with the police and other investigative authorities as Forensic Investigators or Crime Scene Officers.

**Main Research Areas:**

Forensic DNA Analysis; Fingerprinting Technologies; Toxicology and Metabolomics; Bloodstain Pattern Analysis; Wildlife Forensics.

**Course Structure - 12 credit points**

**Core Units**

BIO596 Crime Scene Investigation I - 3 points  
MURDOCH: S2-internal

BIO597 Homicide and Death Investigation - 3 points  
MURDOCH: S2-internal

BIO598 Fingerprinting and Impression Evidence - 3 points  
MURDOCH: S2-internal

BIO599 Human DNA Profiling - 3 points  
MURDOCH: S2-internal

**HEALTH**

**GRADUATE CERTIFICATE IN HEALTH CARE MANAGEMENT (GRADCERTHCM)**

School of Health Professions

Graduate Certificate in Health Care Management (GradCertHCM)

Course Codes: C1116

Duration: 1 semester full-time or part-time equivalent

**Availability:**

- Murdoch campus (external)

Restriction: All graduate courses are subject to restriction.

This Certificate aims to cultivate excellence in quality, leadership and management in health professionals working in Quality, Safety, Risk and Middle Management roles in acute, community, mental health, primary and aged care public and private sectors. This course will provide fundamental skills for a range of leadership and management positions within the health service industry.

**Admission Requirements (Onshore):**

Completion of a Bachelor degree (AQF Level 7) or equivalent in a health related discipline. Preparation for the course through previous study or professional experiences will be considered on a case-by-case basis.

English competence.

**Special Requirements:**

Access to adequate library resources and to the Internet is essential for external students.

**Employment Prospects:**

Enhanced quality, safety and management skills acquired will position students to meet consumer expectations of the healthcare system and to fulfil industry demand for increased middle management skills in order to enhance the quality of services. Positions such as Accreditation Coordinator, Quality Manager, Quality and Risk Manager are essential within health services, particularly the private and aged care sectors, for their accreditation. Successful completion of this course will put graduates in a favourable position to fill such roles.

**Main Research Areas:**

Health, quality and management

## Course Structure - 12 credit points

### Core Units - 12 credit points

SHP501 Safety and Quality in Health Care - 3 points  
MURDOCH: S1-external, S2-external

SHP511 Leadership in Health Care - 3 points  
MURDOCH: S1-external, S2-external

SHP510 Bioethics and Law for Health Care Leadership - 3 points  
MURDOCH: S1-external, S2-external

SHP541 Health Policy in an Australian Context - 3 points  
MURDOCH: S1-external, S2-external

## MASTER OF HEALTH CARE MANAGEMENT (MHCM)

School of Health Professions

Master of Health Care Management (MHCM)

Course Codes: M1217

Duration: 1.5 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (external)
- Some units only: Murdoch campus (internal)

Restriction: All graduate courses are subject to restriction.

This course aims to cultivate excellence in quality, leadership and management in health professionals working in Quality, Safety, Risk and Middle Management roles in acute, community, mental health, primary and aged care public and private sectors. Students will, on completion of the course, have the capacity and capability of applying these skills in a range of management positions and become leaders and champions of change. Innovative and creative elective units are designed to allow different disciplines to focus on their areas of speciality.

**Admission Requirements (Onshore):**

Completion of a Bachelor degree (AQF Level 7) or equivalent in a health discipline. Preparation for the course through previous study or professional experiences will be considered on a case-by-case basis.

English competence.

**Special Requirements:**

Access to adequate library resources and to the Internet is essential for external students.

**Employment Prospects:**

Enhanced quality, safety and management skills acquired will position students to meet consumer expectations of the healthcare system and to fulfil industry demand for increased middle management skills, mentoring, supervision and coaching skills in order to enhance the quality of services. Positions such as Accreditation Coordinator, Quality Manager, Quality and Risk Manager are essential within health services, particularly the private and aged care sectors, for their accreditation. Successful completion of this course will put graduates in a favourable position to fill such roles.

**Main Research Areas:**

Health, quality and management

**Advanced Standing:**

Up to 12 credit points of advanced standing is available to students who have completed a Level 8 Graduate Certificate or a Bachelors degree with Honours.

## Course Structure - 36 credit points

University regulations require completion of a minimum of 24 points at 600-level and up to 12 points at 500-level for a 36 point Masters by Coursework degree.

### Core Units - 33 credit points

SHP501 Safety and Quality in Health Care - 3 points  
MURDOCH: S1-external, S2-external

SHP612 Managing in a Health Care Environment - 3 points  
MURDOCH: S1-external

SHP511 Leadership in Health Care - 3 points  
MURDOCH: S1-external, S2-external

SHP632 Applied Health Research Methods: From Research to Practice - 3 points  
MURDOCH: S1-external, S2-external

SHP603 Applied Health Services Project - 6 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

SHP602 Human Factors: The Impact on Patient Safety - 3 points  
MURDOCH: S2-external

SHP510 Bioethics and Law for Health Care Leadership - 3 points  
MURDOCH: S1-external, S2-external

SHP639 Financial Management in Health Care - 3 points  
MURDOCH: S1-external

SHP541 Health Policy in an Australian Context - 3 points  
MURDOCH: S1-external, S2-external

SHP604 Reflective Practice in Health Management - 3 points  
MURDOCH: S2-external

### Specified Electives - 3 credit points

Select from the following:

SHP638 Health Care Education - 3 points  
Not available this year

MBS689 Risk Management - 3 points  
Not available this year

SHP641 Clinical Governance - 3 points  
MURDOCH: S1-external

EDU616 Teaching, Learning and Working in Culturally Diverse Environments - 3 points  
MURDOCH: S1-internal, S1-external

MBS685 Project Management - 3 points  
MURDOCH: W-internal, W-external

Or 600-level units from related coursework Masters, subject to the approval of the Academic Chair.

## HUMAN RESOURCES MANAGEMENT

### GRADUATE CERTIFICATE IN HUMAN RESOURCES MANAGEMENT (GRADCERTHRM)

School of Management and Governance

Graduate Certificate in Human Resources Management (GradCertHRM)

Course Codes: C1108

Duration: 1 semester full-time (Semester 1 commencement only) or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)
- International students must commence in Semester 1 only.

Restriction: All graduate courses are subject to restriction.

This award is a professionally-oriented coursework qualification in Human Resource Management (HRM). It provides students with a foundation of strategic HRM which links an organisation's goals and objectives to the management of its human resources within legal framework.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher and evidence of relevant two-year work experience, or satisfactory preparation for the course through previous study or professional experience.

English competence.

**Employment Prospects:**

Employment prospects range from specialist HR roles to strategic planning partners, reflecting the importance of HRM in the organisation. Those individuals with talent management and remuneration management skills are keenly sought after.

**Main Research Areas:**

Human Resource Management.

**Further Study:**

Students who successfully complete this course may apply for admission to the Graduate Diploma in Human Resources Management or the Master of Human Resources Management.

### Course Structure - 12 credit points

**Core Units - 12 credit points**

MBS555 Human Resource Management Perspectives - 3 points  
MURDOCH: S1-internal, S1-external

MBL501 Human Resource Management Law - 3 points  
MURDOCH: S1-internal, S1-external

MBS538 Organisational Behaviour and Management - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MBS535 Managing, Evaluating and Developing Human Resources - 3 points  
MURDOCH: S1-internal, S1-external

### GRADUATE DIPLOMA IN HUMAN RESOURCES MANAGEMENT (GRADDIPHRM)

School of Management and Governance

Graduate Diploma in Human Resources Management (GradDipHRM)

Course Codes: G1060

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

Restriction: All graduate courses are subject to restriction.

This is a professionally-oriented qualification in Human Resource Management. It takes a strategic view of HRM which links an organisation's goals and objectives to the management of its human resources with the legal framework of business.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher and evidence of relevant two-year work experience, or satisfactory preparation for the course through previous study or professional experience.

English competence.

**Employment Prospects:**

Employment prospects range from specialist HR roles to strategic planning partners, reflecting the importance of HRM in the organisation.

**Main Research Areas:**

Human Resource Management.

**Further Study:**

Students who successfully complete this course may apply for admission to the Master of Human Resources Management.

### Course Structure - 24 credit points

**Core Units - 18 credit points**

MBS555 Human Resource Management Perspectives - 3 points  
MURDOCH: S1-internal, S1-external

MBS538 Organisational Behaviour and Management - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MBL501 Human Resource Management Law - 3 points  
MURDOCH: S1-internal, S1-external

MBS568 Organisational Change, Management and Consultancy - 3 points  
MURDOCH: S2-internal, S2-external

MBS520 Research Preparation for Business - 3 points  
MURDOCH: S2-internal, S2-external, SUM-internal (closed)

MBS535 Managing, Evaluating and Developing Human Resources - 3 points  
MURDOCH: S1-internal, S1-external

**Specified Electives - 6 credit points**

Select from the following:

MBS624 Employment Relations and Asia Pacific Contexts - 3 points  
MURDOCH: S2-internal, S2-external

MBS651 Leading and Managing Nonprofit Organisations - 3 points  
MURDOCH: SP17-internal, SP17-external

MBS688 Acquisition of Human Resources - 3 points  
MURDOCH: S2-internal, S2-external

MBS668 Managing Remuneration, Benefits and Motivation - 3 points  
MURDOCH: S2-internal, S2-external

MBS530 Business, Society and the Environment - 3 points  
MURDOCH: S1-internal, S1-external

EDN546 Dynamics of Cultural Diversity in the Workplace and the Community - 3 points  
MURDOCH: S1-internal

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## **MASTER OF HUMAN RESOURCE MANAGEMENT (OFFSHORE) (MHRM)**

School of Management and Governance

*Master of Human Resource Management (MHRM)*

Course Codes: M1053

Duration: 4 trimesters full-time or part-time equivalent

### **Availability:**

- Kaplan Higher Education Institute and Kaplan Higher Education Academy (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English)
- Murdoch University International Study Centre (Dubai, UAE) ['DUBAI-ISC'] (internal) (by formal agreement) (language of instruction: English)

*Restriction: All graduate courses are subject to restriction.*

The MHRM is a professionally-oriented masters degree in Human Resource Management (HRM). The degree takes a strategic view of HRM which links an organisation's goals and objectives to the management of its human resources.

Graduates of a Murdoch University Master of Human Resource Management will demonstrate the application of scholarship and research skills by the completion of significant practical projects.

### **Admission Requirements (Offshore):**

Recognised Bachelor's degree or higher and evidence of relevant two-year work experience, or satisfactory preparation for the course through previous study or professional experience.

English competence.

### **Employment Prospects:**

Employment prospects range from specialist HR roles to strategic planning partners, reflecting the importance of HRM in the organisation.

### **Professional Accreditation:**

For Kaplan offering only - This course is accredited with the Singapore Human Resources Institute

### **Main Research Areas:**

Human resource management.

### **Nested Awards:**

Students can opt out of the Master of Human Resource Management and exit with either the Graduate Certificate or Graduate Diploma in Human Resources Management subject to satisfying the course requirements.

## **Course Structure - 48 credit points**

### **Core Units - 24 credit points**

MBS617 Human Resource Management Perspectives - 4 points  
DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TJA-internal, TSA-internal

MBS511 Acquisition of Human Resources - 4 points  
DUBAI-ISC: TMD-internal  
KAPLAN-SGP: TMA-internal

MBS501 Human Resource Management Law - 4 points  
DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TJA-internal, TSA-internal

MBS525 Managing, Evaluating and Developing Human Resources - 4 points

DUBAI-ISC: TMD-internal  
KAPLAN-SGP: TMA-internal

MBS508 Organisational Behaviour and Management - 4 points  
DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

MBS626 Managing Remuneration, Benefits and Motivation - 4 points  
DUBAI-ISC: TMD-internal  
KAPLAN-SGP: TMA-internal

### **Specified Electives - 24 credit points**

Select from the following:

MBS641 Project Management - 4 points  
DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TMA-internal, TSA-internal

MBS548 Organisational Change, Management and Consultancy - 4 points  
DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TJA-internal, TSA-internal

MBS671 Effective Leadership - 4 points  
DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TMA-internal

MBS572 Risk Management - 4 points  
DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TJA-internal, TSA-internal

MBS630 International Business - 4 points  
DUBAI-ISC: TMD-internal  
KAPLAN-SGP: TMA-internal

MBS606 Strategic Decision-Making - 4 points  
DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

MBS618 Dispute Management - 4 points  
KAPLAN-SGP: TMA-internal

MBS629 Entrepreneurship and Innovation Management - 4 points  
DUBAI-ISC: TMD-internal  
KAPLAN-SGP: TMA-internal

MBS540 Business, Society and the Environment - 4 points  
KAPLAN-SGP: TSA-internal

Special Topics are available from time to time and maybe used as a specified elective. Students should contact the Academic Chair about availability.

Other units may be substituted with permission of the Academic Chair.

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## **MASTER OF HUMAN RESOURCES MANAGEMENT (MHRM)**

School of Management and Governance

*Master of Human Resources Management (MHRM)*

Course Codes: M1213

Duration: 2 years full-time

### **Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

*Restriction: All graduate courses are subject to restriction.*

The MHRM is a professionally-oriented masters degree in Human Resource Management (HRM). The degree takes a strategic view of HRM which links an organisation's goals and objectives to the

management of its human resources.

Graduates of a Murdoch University Master of Human Resources Management will demonstrate the application of scholarship and research skills by the completion of significant practical projects.

A flexible teaching timetable allows students to balance work, study and other personal commitments.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher and evidence of relevant two-year work experience, or satisfactory preparation for the course through previous study or professional experience.

English competence.

**Special Requirements:**

There may be a reduction in choice of units if completing this course in the external mode.

**Employment Prospects:**

Employment prospects range from specialist HR roles to strategic planning partners, reflecting the importance of HRM in the organisation.

**Main Research Areas:**

Human resource management.

**Advanced Standing:**

Up to 24 points of advanced standing is available to students with a recognised Graduate qualification in a cognate area and evidence of 2 years relevant work experience.

**Nested Awards:**

Students can opt out of the Master of Human Resources Management and exit with either the Graduate Certificate or Graduate Diploma subject to satisfying the course requirements.

**Course Structure - 48 credit points**

**Core Units - 24 credit points**

At least 24 Credit Points are required at 600 level (AQF level 9)

MBS555 Human Resource Management Perspectives - 3 points  
MURDOCH: S1-internal, S1-external

MBS688 Acquisition of Human Resources - 3 points  
MURDOCH: S2-internal, S2-external

MBL501 Human Resource Management Law - 3 points  
MURDOCH: S1-internal, S1-external

MBS535 Managing, Evaluating and Developing Human Resources - 3 points  
MURDOCH: S1-internal, S1-external

MBS538 Organisational Behaviour and Management - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MBS668 Managing Remuneration, Benefits and Motivation - 3 points  
MURDOCH: S2-internal, S2-external

MBS520 Research Preparation for Business - 3 points  
MURDOCH: S2-internal, S2-external, SUM-internal (closed)

MBS659 Quantitative Research for Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

OR

MBS619 Qualitative Organisational Research - 3 points  
MURDOCH: S1-internal, S1-external

**Specified Electives - 24 credit points**

Select from the following:

MBS685 Project Management - 3 points  
MURDOCH: W-internal, W-external

EDN546 Dynamics of Cultural Diversity in the Workplace and the Community - 3 points  
MURDOCH: S1-internal

MBS624 Employment Relations and Asia Pacific Contexts - 3 points  
MURDOCH: S2-internal, S2-external

MBS568 Organisational Change, Management and Consultancy - 3 points  
MURDOCH: S2-internal, S2-external

MBS687 Effective Leadership - 3 points  
MURDOCH: S1-internal, S1-external

MBS530 Business, Society and the Environment - 3 points  
MURDOCH: S1-internal, S1-external

MBS647 Strategic Decision-Making - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MBL518 Dispute Management - 3 points  
MURDOCH: S1-internal, S1-external

MBL623 Work Health and Safety Law - 3 points  
MURDOCH: S1-internal, S1-external

MBS651 Leading and Managing Nonprofit Organisations - 3 points  
MURDOCH: SP17-internal, SP17-external

Special Topics are available from time to time and may be used as a Specified Elective. Students should contact the Academic Chair about availability.

Other units may be substituted with permission of the Academic Chair.

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## HUMAN RESOURCES AND SAFETY

**See also:**

Psychology

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### GRADUATE CERTIFICATE IN HUMAN RESOURCES AND SAFETY (GRADCERTHRS)

School of Psychology and Exercise Science

*Graduate Certificate in Human Resources and Safety (GradCertHRS)*

Course Codes: C1114

Duration: 1 to 2 years part-time only

**Availability:**

- Murdoch campus (external)
- This course is not available to international students studying in Australia on a student visa; it is available to international students on other visas if visa conditions allow.

*Restriction: All graduate courses are subject to restriction.*

This Graduate Certificate is relevant to those wishing to apply knowledge of organisational psychology in business, industrial and other organisational contexts. It is particularly appropriate as a second discipline area for graduates in Commerce, Law, Education, Sociology, and Environmental or Biological Science who intend working in an area requiring knowledge of: Job Assessment Methods, Performance Appraisal, Staffing, Human Resource Development, Training, Safety, Rehabilitation, Retirement, Retrenchment, Management of Change and Organisational Decision Making.

Although enrolment is open to graduates in any discipline, candidates should possess a functional understanding of statistics and research methods. Candidates holding a four-year psychology degree and who intend to pursue a career as a Registered Psychologist should normally enrol for the Master of Applied

Psychology. However, those four-year psychology graduates who complete the Graduate Certificate, and who subsequently enrol in the Masters course will be given credit for relevant units completed. (Note that students without a four-year degree in Psychology are not eligible for admission to the Master of Applied Psychology).

**Admission Requirements (Onshore):**

Recognised Bachelor's degree (AQF Level 7) or higher, or equivalent training, in any discipline preferably including quantitative or statistical skills.

English competence.

**Employment Prospects:**

This Graduate Certificate is available to graduates of any discipline, including psychology, who do not intend to pursue a career as a Registered Psychologist but who intend to work in an area where knowledge of organisational psychology human resources and safety will be of benefit.

**Further Study:**

Students who successfully complete this course may apply for admission to the Graduate Diploma in Consultancy Psychology.

## Course Structure - 12 credit points

### Core Units - 9 credit points

PSY568 Human Resources - 3 points  
MURDOCH: S1-external

PSY612 Work and Well-being - 3 points  
MURDOCH: S2-external

PSY552 Organisation of Work - 3 points  
MURDOCH: S2-external

### Specified Electives - 3 credit points

Select from the following:

MBS537 Strategic Marketing Management - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

EDU645 Adult Learning in Education and Work - 3 points  
MURDOCH: S2-external

EDU637 Program Evaluation - 3 points

EDU616 Teaching, Learning and Working in Culturally Diverse Environments - 3 points  
MURDOCH: S1-internal, S1-external

EDN546 Dynamics of Cultural Diversity in the Workplace and the Community - 3 points  
MURDOCH: S1-internal

MBS539 Accounting for Managers - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MBL502 Law for Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Other electives at 500/600-level may be substituted with permission from the Academic Chair.

**Availability:**

- Murdoch campus (internal)
- Some units only: Murdoch campus (external)

*Restriction: All graduate courses are subject to restriction.*

The Graduate Certificate in Information Technology is designed to provide graduates in information technology related disciplines with a further qualification in the field. The course emphasises professional practice and effective communication using technical and nontechnical means. In addition, students select from a range of elective units according to their interests. The course may be completed over one semester full-time. Students may continue for a further semester and complete the Graduate Diploma in Information Technology Management.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree (AQF Level 7) in IT, or a non-IT Bachelor's degree plus two years of relevant IT experience.

English competence.

**Special Requirements:**

The course is available by on-campus attendance only.

**Employment Prospects:**

Graduates of the Graduate Certificate in IT will be able to choose from a variety of IT-related careers, both as IT practitioners and in supervisory and administrative roles within a wide range of public and private organisations.

**Further Study:**

Students who successfully complete the Graduate Certificate may apply for admission to the Graduate Diploma in Information Technology Management.

## Course Structure - 12 credit points

### Core Units - 3 credit points

ICT521 IT Professional Practice - 3 points  
MURDOCH: S1-internal

### Specified Electives - 9 credit points

Select from the following:

ICT505 Knowledge Management - 3 points  
MURDOCH: S1-internal

ICT546 Local Area Network Design and Implementation - 3 points  
MURDOCH: S1-internal

ICT501 Business Analysis and Systems Development Approaches - 3 points  
MURDOCH: S2-internal, S2-external

ICT508 Information Technology Project Management - 3 points  
MURDOCH: S1-internal

ICT502 Applied Information Security Management - 3 points  
MURDOCH: S2-internal, S2-external

Or other units approved by the Academic Chair.

## INFORMATION TECHNOLOGY

### GRADUATE CERTIFICATE IN INFORMATION TECHNOLOGY (GRADCERTIT)

School of Engineering and Information Technology

Graduate Certificate in Information Technology (GradCertIT)

Course Codes: C1109

Duration: 1 to 2 semesters (depending on unit selection)

### GRADUATE DIPLOMA IN INFORMATION TECHNOLOGY MANAGEMENT (GRADDIPITMAN)

School of Engineering and Information Technology

Graduate Diploma in Information Technology Management (GradDipITMan)

Course Codes: G1051

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

*Restriction: All graduate courses are subject to restriction.*

The Graduate Diploma in Information Technology Management is designed to provide graduates in information technology related disciplines with a further qualification in the field. The course emphasises professional practice and effective communication using technical and nontechnical means. Security, knowledge management, data communications and business analysis are covered. In addition, students complete an individual study project in an area of interest.

**Admission Requirements (Onshore):**

Recognised relevant Bachelor's degree in IT (AQF Level 7); or a recognised non-IT Bachelor's degree plus an approved Diploma in IT (AQF Level 8); or a recognised non-IT Bachelor's degree plus two years of relevant IT experience; or a recognised non-IT Honours degree (AQF Level 8).

English competence.

**Special Requirements:**

The course is available by on-campus attendance only.

**Employment Prospects:**

Graduates of the Graduate Diploma in IT Management will be able to choose from a variety of IT-related careers, both as IT practitioners and in supervisory and administrative roles within a wide range of public and private organisations.

**Professional Recognition:**

Graduates of this course are eligible for membership of the Australian Computer Society at the Professional Level.

**Further Study:**

Students who successfully complete the Graduate Diploma may apply for admission to the Master of Science in Information Technology (Internetworking and Security specialisation) or the Master of Network Management and Security.

**Course Structure - 24 credit points****Core Units - 24 credit points**

ICT521 IT Professional Practice - 3 points  
MURDOCH: S1-internal

ICT505 Knowledge Management - 3 points  
MURDOCH: S1-internal

ICT546 Local Area Network Design and Implementation - 3 points  
MURDOCH: S1-internal

ICT502 Applied Information Security Management - 3 points  
MURDOCH: S2-internal, S2-external

ICT501 Business Analysis and Systems Development Approaches - 3 points  
MURDOCH: S2-internal, S2-external

ICT504 Computer Forensics - 3 points  
MURDOCH: S2-internal

ICT517 Advanced IT Study Project - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

ICT508 Information Technology Project Management - 3 points  
MURDOCH: S1-internal

**GRADUATE DIPLOMA IN INTERNETWORKING AND SECURITY (GRADDIPINTWKSECUR)**

School of Engineering and Information Technology

Graduate Diploma in Internetworking and Security (GradDipIntwkSecur)

Course Codes: G1059

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

*Restriction: All graduate courses are subject to restriction.*

The Graduate Diploma in Internetworking and Security provides a thorough and practical grounding in network design, network administration, network management and security. The course structure is flexible allowing students to tailor the course to meet their career needs. Students can choose units that target their skills in security, LAN and Wireless network design, global network design or network management.

Most specialisations prepare students to sit one or more industry certification exams. These certifications include Cisco Certified Network Associate (CCNA), Certified Wireless Network Administrator (CWNA), Cisco Certified Network Professional (CCNP), Managing Cisco Network Security (MCNS) and Cisco Secure PIX Firewall Advanced (CSPFA).

**Admission Requirements (Onshore):**

Recognised Bachelor's degree (AQF Level 7) or higher, or equivalent training, or five or more years of relevant work experience. Students who have completed the BSc in Internetworking and Security may not enrol in this course.

English competence.

**Employment Prospects:**

The following employers are increasingly concerned with network performance and security: Network service providers, Banking and Finance organisations, Government and the Military. There is also scope to work as an independent network and security consultant.

**Professional Recognition:**

Graduates of this course are eligible for membership of the Australian Computer Society at the Professional Level.

**Further Study:**

Students who successfully complete the Graduate Diploma may apply for admission to the Master of Science in Information Technology (Internetworking and Security specialisation) or the Master of Network Management and Security.

**Course Structure - 24 credit points****Core Units - 15 credit points**

ICT546 Local Area Network Design and Implementation - 3 points  
MURDOCH: S1-internal

ICT535 Advanced Business Data Communications - 3 points  
MURDOCH: S2-internal

ICT502 Applied Information Security Management - 3 points  
MURDOCH: S2-internal, S2-external

ICT503 Wireless Data Communications - 3 points  
MURDOCH: S1-internal

ICT521 IT Professional Practice - 3 points  
MURDOCH: S1-internal

**Specified Electives - 9 credit points**

Select from the following units, with a maximum of two units at 600 level.

ICT508 Information Technology Project Management - 3 points

MURDOCH: S1-internal

ICT504 Computer Forensics - 3 points

MURDOCH: S2-internal

ICT517 Advanced IT Study Project - 3 points

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

ICT613 Router and Firewall Security - 3 points

MURDOCH: S1-internal

ICT609 Network Switching - 3 points

MURDOCH: S1-internal

ICT611 Advanced Routing - 3 points

MURDOCH: S2-internal

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## MASTER OF INFORMATION TECHNOLOGY (MIT)

School of Engineering and Information Technology

Master of Information Technology (MIT)

Course Codes: M1220

Duration: 2 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)

Restriction: All graduate courses are subject to restriction.

This course is a professional qualification in Information Technology, designed to provide candidates with appropriate practical understanding, skills and knowledge for managing IT use, change and development. The primary aim is to allow IT professionals an opportunity for professional upgrading or an extension of their qualifications and experience.

The degree may be completed in one of two ways:

- Coursework: students complete 48 credit points of advanced graduate-level units.
- Coursework and Dissertation: students complete 36 credit points of coursework units and a 12-credit point dissertation.

Students may exit the Masters at various points, to complete the Graduate Certificate in Information Technology or the Graduate Diploma in Information Technology Management or the Graduate Diploma in Internetworking and Security depending on unit selection. The Graduate Diploma in Information Technology Management forms the first half of the MIT (IT Management specialisation), and the Graduate Diploma in Internetworking and Security forms the first half of the MIT (Internetworking and Security specialisation).

### Admission Requirements (Onshore):

Recognised Bachelor's degree (AQF Level 7) in IT or higher, or equivalent training, or recognised Graduate Diploma in IT, or a three-year non-IT degree plus approved Diploma in IT or recognised Graduate Diploma in IT, or any recognised non-IT Honours degree, or higher, plus five or more years of relevant work experience.

English competence.

### Employment Prospects:

There is a critical need for modern IT professionals responsible for establishing, maintaining and developing information systems in a wide variety of sectors including commerce, telecommunications, health, education, architecture, mining, engineering, law and charities.

### Professional Recognition:

Graduates of this course are eligible for membership of the Australian Computer Society at the Professional Level.

### Further Study:

Students who successfully complete the Master of Information Technology may apply for admission to the Doctor of Information Technology. The MIT (Coursework and Dissertation) also enables students to move on to study for a PhD in Information Technology.

### Nested Awards:

Students can opt out of the Master of Information Technology and exit with the Graduate Certificate in Information Technology or the Graduate Diploma in Information Technology Management subject to satisfying the course requirements.

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## Coursework (IT Management Specialisation)

### Course Structure - 48 credit points

University regulations require completion of a minimum of 24 points at 600-level and a maximum of 24 points at 500-level for a 48-point Masters by Coursework degree.

### Core Units - 45 credit points

ICT521 IT Professional Practice - 3 points

MURDOCH: S1-internal

ICT505 Knowledge Management - 3 points

MURDOCH: S1-internal

ICT546 Local Area Network Design and Implementation - 3 points

MURDOCH: S1-internal

ICT504 Computer Forensics - 3 points

MURDOCH: S2-internal

ICT502 Applied Information Security Management - 3 points

MURDOCH: S2-internal, S2-external

ICT501 Business Analysis and Systems Development Approaches - 3 points

MURDOCH: S2-internal, S2-external

ICT616 Data Resources Management - 3 points

MURDOCH: S2-internal

ICT508 Information Technology Project Management - 3 points

MURDOCH: S1-internal

ICT615 Information Technology Research Methods - 3 points

MURDOCH: S1-internal

ICT612 Human Factors in Information Technology - 3 points

MURDOCH: S1-internal

ICT619 Intelligent Systems Applications - 3 points

MURDOCH: S2-internal

ICT622 Information Technology Strategy - 3 points

MURDOCH: S2-internal

ICT621 IT Group Project - 6 points

MURDOCH: S1-internal, S2-internal

ICT601 Business Analytics - 3 points

MURDOCH: S2-internal

### Specified Electives - 3 credit points

Select from the following:

ICT517 Advanced IT Study Project - 3 points

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

TLC501 Graduate Study in a Cross-Cultural Context - 3 points

MURDOCH: S1-internal, S2-internal

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## Coursework (Internetworking and Security Specialisation)

### Course Structure - 48 credit points

University regulations require completion of a minimum of 24 points at 600-level and a maximum of 24 points at 500-level for a



48 point Masters by Coursework degree.

### **Core Units - 39 credit points**

ICT521 IT Professional Practice - 3 points  
MURDOCH: S1-internal

ICT503 Wireless Data Communications - 3 points  
MURDOCH: S1-internal

ICT546 Local Area Network Design and Implementation - 3 points  
MURDOCH: S1-internal

ICT535 Advanced Business Data Communications - 3 points  
MURDOCH: S2-internal

ICT502 Applied Information Security Management - 3 points  
MURDOCH: S2-internal, S2-external

ICT616 Data Resources Management - 3 points  
MURDOCH: S2-internal

ICT508 Information Technology Project Management - 3 points  
MURDOCH: S1-internal

ICT615 Information Technology Research Methods - 3 points  
MURDOCH: S1-internal

ICT609 Network Switching - 3 points  
MURDOCH: S1-internal

ICT611 Advanced Routing - 3 points  
MURDOCH: S2-internal

ICT613 Router and Firewall Security - 3 points  
MURDOCH: S1-internal

ICT623 Networking Group Project - 6 points  
MURDOCH: S1-internal, S2-internal

### **Specified Electives - 9 credit points**

Select from the following:

TLC501 Graduate Study in a Cross-Cultural Context - 3 points  
MURDOCH: S1-internal, S2-internal

ICT504 Computer Forensics - 3 points  
MURDOCH: S2-internal

ICT612 Human Factors in Information Technology - 3 points  
MURDOCH: S1-internal

ICT619 Intelligent Systems Applications - 3 points  
MURDOCH: S2-internal

ICT622 Information Technology Strategy - 3 points  
MURDOCH: S2-internal

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### **Coursework and Dissertation (IT Management Specialisation)**

#### **Course Structure - 48 credit points**

University regulations require completion of a minimum of 24 points at 600-level and a maximum of 24 points at 500-level for a 48-point Masters by Coursework degree.

### **Core Units - 39 credit points**

ICT521 IT Professional Practice - 3 points  
MURDOCH: S1-internal

ICT505 Knowledge Management - 3 points  
MURDOCH: S1-internal

ICT546 Local Area Network Design and Implementation - 3 points  
MURDOCH: S1-internal

ICT502 Applied Information Security Management - 3 points  
MURDOCH: S2-internal, S2-external

ICT501 Business Analysis and Systems Development Approaches - 3 points

MURDOCH: S2-internal, S2-external

ICT517 Advanced IT Study Project - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

ICT615 Information Technology Research Methods - 3 points  
MURDOCH: S1-internal

ICT678 Information Technology Research Dissertation - 12 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

ICT508 Information Technology Project Management - 3 points  
MURDOCH: S1-internal

ICT504 Computer Forensics - 3 points  
MURDOCH: S2-internal

### **Specified Electives - 9 credit points**

Select from the following:

ICT619 Intelligent Systems Applications - 3 points  
MURDOCH: S2-internal

ICT622 Information Technology Strategy - 3 points  
MURDOCH: S2-internal

ICT616 Data Resources Management - 3 points  
MURDOCH: S2-internal

ICT612 Human Factors in Information Technology - 3 points  
MURDOCH: S1-internal

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### **Coursework and Dissertation (Internetworking and Security Specialisation)**

#### **Course Structure - 48 credit points**

University regulations require completion of a minimum of 24 points at 600-level and a maximum of 24 points at 500-level for a 48 point Masters by Coursework degree.

### **Core Units - 39 credit points**

ICT546 Local Area Network Design and Implementation - 3 points  
MURDOCH: S1-internal

ICT503 Wireless Data Communications - 3 points  
MURDOCH: S1-internal

ICT521 IT Professional Practice - 3 points  
MURDOCH: S1-internal

ICT535 Advanced Business Data Communications - 3 points  
MURDOCH: S2-internal

ICT502 Applied Information Security Management - 3 points  
MURDOCH: S2-internal, S2-external

ICT615 Information Technology Research Methods - 3 points  
MURDOCH: S1-internal

ICT609 Network Switching - 3 points  
MURDOCH: S1-internal

ICT613 Router and Firewall Security - 3 points  
MURDOCH: S1-internal

ICT611 Advanced Routing - 3 points  
MURDOCH: S2-internal

ICT678 Information Technology Research Dissertation - 12 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

### **Specified Electives - 9 credit points**

Select from the following:

ICT504 Computer Forensics - 3 points  
MURDOCH: S2-internal

ICT612 Human Factors in Information Technology - 3 points

MURDOCH: S1-internal

ICT508 Information Technology Project Management - 3 points  
MURDOCH: S1-internal

ICT619 Intelligent Systems Applications - 3 points  
MURDOCH: S2-internal

ICT622 Information Technology Strategy - 3 points  
MURDOCH: S2-internal

ICT616 Data Resources Management - 3 points  
MURDOCH: S2-internal

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## DOCTOR OF INFORMATION TECHNOLOGY (DIT)

School of Engineering and Information Technology

Doctor of Information Technology (DIT)

Course Codes: D1059

Duration: 3 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)
- Some units only: Murdoch campus (external)

Restriction: All graduate courses are subject to restriction.

The Doctor of Information Technology (DIT) is an intensive course of study leading to a professional doctorate in Information Technology. The first two semesters consist of a selection from the School's masters-level units covering approaches to information technology and a wide range of topics of current concern in the industry. The final four research semesters culminate with the writing of a research dissertation which embodies a significant contribution to professional practice in Information Technology.

### Admission Requirements (Onshore):

To be eligible for admission as a candidate for a Doctor of Information Technology, an applicant must have:  
a Bachelor Degree with at least a 2A Honours normally in the same discipline (AQF level 8); or  
a Masters Degree normally in the same discipline (AQF level 9) and satisfy the Manager with evidence of substantive and significant scholarly or professional attainments; or  
a Bachelor Degree normally in the same discipline (AQF level 7) and satisfy the Manager with evidence of substantive and significant scholarly or professional attainments including satisfactory research preparation equivalent of AQF level 8 or 9.

English competence.

### Advanced Standing:

Up to 24 points (1 year) of advanced standing is available to students with a Masters Degree in IT.

## Course Structure - 72 credit points

In Semesters 3, 4, 5 and 6, full-time students should enrol in the thesis unit for 12 points each semester and part-time students for 6 points each semester, until the submission of the thesis.

### Semesters 1 and 2 - 24 credit points

#### Core Unit - 3 credit points

ICT615 Information Technology Research Methods - 3 points  
MURDOCH: S1-internal

#### Specified Electives - 21 credit points

Select from the following:

ICT501 Business Analysis and Systems Development Approaches - 3 points  
MURDOCH: S2-internal, S2-external

ICT612 Human Factors in Information Technology - 3 points  
MURDOCH: S1-internal

ICT546 Local Area Network Design and Implementation - 3 points  
MURDOCH: S1-internal

ICT616 Data Resources Management - 3 points  
MURDOCH: S2-internal

ICT517 Advanced IT Study Project - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

ICT508 Information Technology Project Management - 3 points  
MURDOCH: S1-internal

ICT619 Intelligent Systems Applications - 3 points  
MURDOCH: S2-internal

ICT622 Information Technology Strategy - 3 points  
MURDOCH: S2-internal

ICT700 Computer Science Research Topic - 3 points  
MURDOCH: S1-internal, S2-internal

ICT704 Information Systems Research Topic - 3 points  
MURDOCH: S1-internal, S2-internal

### Semester 3 - 12 credit points

#### Core Units - 12 credit points

ICT702 Doctor of Information Technology Thesis - 12 points  
MURDOCH: R1-internal, R1-external, R2-internal, R2-external, RAU-internal, RAU-external, RSP-internal, RSP-external, S1-internal, S1-external, S2-internal, S2-external

### Semester 4 - 12 credit points

#### Core Units - 12 credit points

ICT702 Doctor of Information Technology Thesis - 12 points  
MURDOCH: R1-internal, R1-external, R2-internal, R2-external, RAU-internal, RAU-external, RSP-internal, RSP-external, S1-internal, S1-external, S2-internal, S2-external

### Semester 5 - 12 credit points

#### Core Units - 12 credit points

ICT702 Doctor of Information Technology Thesis - 12 points  
MURDOCH: R1-internal, R1-external, R2-internal, R2-external, RAU-internal, RAU-external, RSP-internal, RSP-external, S1-internal, S1-external, S2-internal, S2-external

### Semester 6 - 12 credit points

#### Core Units - 12 credit points

ICT702 Doctor of Information Technology Thesis - 12 points  
MURDOCH: R1-internal, R1-external, R2-internal, R2-external, RAU-internal, RAU-external, RSP-internal, RSP-external, S1-internal, S1-external, S2-internal, S2-external

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## INTERNATIONAL AFFAIRS

### MASTER OF INTERNATIONAL AFFAIRS (MIA)

Sir Walter Murdoch School of Public Policy and International Affairs

Master of International Affairs (MIA)

Course Codes: M1196

Duration: 2 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)

Restriction: All graduate courses are subject to restriction.

The Master of International Affairs (MIA) is a genuinely multi-disciplinary professional degree that explores the political, economic, strategic, cultural and legal forces that shape our region and world. Taking advantage of Murdoch's Indo-Pacific location,

the degree equips students with the knowledge and skills for careers in a wide variety of sectors including government and foreign affairs, international organisations, national and international NGOs, and the private sector.

MIA students will examine contemporary issues in political economy, global trade, resource management, the role of international institutions, international security and arms control, international law, human rights, conflict management, and regional architecture, and can choose from a range of electives to suit their professional needs and policy interests, including an opportunity to study Indonesian or Japanese.

#### **Admission Requirements (Onshore):**

Admission to the Masters degree is available to students who have a Bachelor degree in any area.

English competence.

#### **Employment Prospects:**

Suitable for students working in or seeking a career in all areas of international affairs, including the public, private and not-for-profit sectors. MIA students will acquire the knowledge, skills and expertise in global public policy, relevant to a broad range of settings such as foreign ministries, security agencies, multinational corporations, regional and international organisations, and international NGOs.

#### **Advanced Standing:**

A student's advanced standing is assessed at the time of application, taking into account level of higher study and/or professional experience.

Up to 12 points (0.5 years) of advanced standing is available to students who have: a Bachelor's degree with a major in International Affairs or a cognate area; or a Bachelor's degree in an unrelated discipline and Level 8 Graduate Certificate or Diploma in International Affairs or equivalent; or an Honours degree or equivalent in an unrelated discipline; or a Bachelor's degree in an unrelated discipline and two years of relevant documented professional experience.

Up to 24 points (1 year) of advanced standing is available to students with an Honours Bachelor's degree or equivalent in International Affairs or a cognate area; or an honours degree or equivalent in an unrelated discipline and at least two years of relevant documented professional experience.

#### **Exemption from Coursework Regulations:**

In this course, where appropriate, undergraduate units (between 100- and 400-level) have been included to meet the learning outcomes for the entire course: graduate students can expect to be part of a learning community with undergraduate students in these units.

### **Course Structure - 48 credit points**

#### **Core Units - 24 to 33 credit points**

##### **Theory - 21 credit points**

The following unit is no longer available - contact the Academic Chair for advice:

SWM634 International Relations Theories - 3 points  
Not available this year

SWM635 International Security and Strategy - 3 points  
MURDOCH: S2-internal

LLM601 International Law - 3 points  
MURDOCH: S1-internal

SWM632 International Political Economy - 3 points  
MURDOCH: S2-internal

SWM633 International History - 3 points

MURDOCH: S1-internal

SWM636 Global Governance and International Institutions - 3 points

MURDOCH: S2-internal

SWM644 Public Policy and International Affairs Foundations - 3 points

MURDOCH: S1-internal

#### **Capstone Experience - 3 to 12 credit points**

Select one of the following options:

EITHER

SWM618 Social Science Research Design - 3 points  
MURDOCH: S1-internal

and

SWM617 Supervised Research Thesis - 6 points  
MURDOCH: S1-internal, S2-internal

OR

SWM618 Social Science Research Design - 3 points  
MURDOCH: S1-internal

and

SWM6171 Supervised Research Thesis - 9 points  
MURDOCH: S1-internal, S2-internal

(This 12,000- to 15,000-word thesis can only be taken with the approval of the Dean of the Sir Walter Murdoch School of Public Policy and International Affairs.)

OR

SWM619 Research Internship - 6 points  
MURDOCH: S1-internal, S2-internal

OR

SWM620 Advanced Policy Case Study - 3 points  
MURDOCH: S1-internal, S2-internal, W-internal

Alternatively, students can enrol in ART607 In-Country Studies Indonesia - 6 points [MURDOCH: SUM-internal] during the summer period. This is an ACICIS program. Students interested in this option should consult the ACICIS Secretariat and gain approval from the Academic Chair of International Affairs.

#### **Specified Electives - 15 to 24 credit points**

Please note that Sir Walter Murdoch School students may take any of the core units listed in the Master of Development Studies and Master of Public Policy and Management as an elective for the Master of International Affairs.

Select from the lists below:

##### **Professional**

MBS536 Financial Management Decision Making - 3 points  
MURDOCH: S1-internal

MBS6411 Project Management - 3 points  
MURDOCH: S1-internal

MBS687 Effective Leadership - 3 points  
MURDOCH: S1-internal, S1-external

MBS555 Human Resource Management Perspectives - 3 points  
MURDOCH: S1-internal, S1-external

MBS651 Leading and Managing Nonprofit Organisations - 3 points  
MURDOCH: SP17-internal, SP17-external

MCC687 Managing Communication - 3 points

MURDOCH: S2-internal

SWM621 Ethical Challenges of Contemporary Societies - 3 points

MURDOCH: S2-internal

SWM519 Strategic Health Leadership and Management - 3 points

MURDOCH: W-internal

TLC501 Graduate Study in a Cross-Cultural Context - 3 points

MURDOCH: S1-internal, S2-internal

### Policy

SWM622 Network Governance - 3 points

MURDOCH: S1-internal

ENV616 Environmental Policy for the 21st Century - 3 points

MURDOCH: S1-internal, S1-external

SWM623 Contemporary Dynamics in Asian International Affairs - 3 points

MURDOCH: S1-internal

SWM624 Global Trade Policy - 3 points

Not available this year

SWM627 Counterterrorism Policy - 3 points

Not available this year

BIO639 Biosecurity Threats and Invasions - 3 points

MURDOCH: S1-internal, S1-external

BIO681 Challenges in Food Security - 3 points

MURDOCH: S2-internal

SWM641 E-Politics: the Internet and the Future of Power - 3 points

MURDOCH: S1-internal

SWM642 Islamic Politics and Development - 3 points

MURDOCH: S2-internal

SWM643 Political Violence - 3 points

MURDOCH: S2-internal

COD505 Mining, Communities and Sustainability - 3 points

MURDOCH: S2-internal, S2-external

SWM646 Parliamentary Studies - 3 points

MURDOCH: S2-internal

SWM517 Health Policy and Governance - 3 points

MURDOCH: S1-internal

SWM518 Health Economics and Finance - 3 points

MURDOCH: W-internal

### Language

Students may take up to two language units in either Indonesian or Japanese. Placement in language units is at the discretion of the Academic Chair, following an assessment of the student's language skills. There may be restrictions for students completing the Masters in 24 points. Please refer to the Handbook for available units in Indonesian or Japanese.

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## LAW

### See also:

Chinese Law

Migration Law

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## GRADUATE CERTIFICATE IN LEGAL PRACTICE (GRADCERTLP)

School of Law

Graduate Certificate in Legal Practice (GradCertLP)

Course Codes: C1132

Duration: 1 year part-time

### Availability:

- Murdoch campus (internal)
- This course is not available to International students studying in Australia.

*Restriction: All graduate courses are subject to restriction.*

This course allows you to gain the practice experience necessary for admission to the legal profession. It will place you within the Clinical Legal Practice run in collaboration with SCALES Community Legal Centre. You can gain experience in any or all of our practice areas such as human rights, family or generalist law. It gives you the opportunity to undertake varied legal work under the supervision of our solicitors, including interviewing clients, legal research, formulating and giving advice as well as law reform and policy work. It is only available to students who have undertaken Clinical Legal Education units throughout their degree.

### Admission Requirements (Onshore):

Previous completion of one or more Clinical Legal Education Units as part of a Murdoch Law Degree (or Australian Law Degree).

English competence.

### Professional Accreditation:

Allows admission to the legal profession in WA and other Australian Jurisdictions. Accredited by College of Law and other providers.

### Professional Recognition:

Recognised by the Legal Profession as meeting admission requirements for work placement experience.

### Main Research Areas:

Human Rights, Access to Justice, Civil Rights and Law and the Legal System

## Course Structure - 12 credit points

### Core Units - 12 credit points

LLM512 Legal Practice Placement I - 6 points  
MURDOCH: S1-placement (quota of 10 places), S2-placement (quota of 10 places)

LLM513 Legal Practice Placement II - 6 points  
MURDOCH: S1-placement (quota of 10 places), S2-placement (quota of 10 places)

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## MASTER OF LAWS BY RESEARCH (LLM(RES))

School of Law

Master of Laws by Research (LLM(Res))

Course Codes: M1235

Duration: 1.5 years full-time or part-time equivalent; OR 12 months for entrance with Law Honours, or part-time equivalent

### Availability:

- Murdoch campus (internal)
- Murdoch campus (external) (subject to approval on a case-by-case basis)

*Restriction: All graduate courses are subject to restriction.*

The Master of Laws by Research is designed to extend to students the opportunity to undertake research at an advanced level. The course is designed to enable students:

- to achieve a theoretical knowledge of the major legal and policy issues of focused areas of legal study which are not offered at the undergraduate level;
- to develop their skills of critical analysis of the law by enhancing their research and writing skills and in oral presentation;
- to acquire interdisciplinary perspectives which will enhance their legal scholarship; and
- to participate in a scholarly discourse with teachers and fellow

students in order to achieve a breadth of legal scholarship.

**Admission Requirements (Onshore):**

To be eligible for admission as a candidate for a Master of Laws by Research, an applicant must have:

- \* a Bachelor Degree in Law (AQF level 7), or equivalent; or
- \* a Bachelor Degree in a different discipline and satisfy the Graduate Research Manager with evidence of significant scholarly or professional attainments (of at least two years full-time duration or equivalent) in Law providing satisfactory research preparation equivalent of AQF level 8.

English competence.

**Course Structure - 36 credit points**

Candidates are required to submit a thesis in an approved area of study of at least 60,000 words.

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## MARKETING

**See also:**

Public Relations

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### GRADUATE CERTIFICATE IN INTERNATIONAL MARKETING (GRADCERTIM)

School of Management and Governance

Graduate Certificate in International Marketing (GradCertIM)

Course Codes: C1130

Duration: 6 months full-time

**Availability:**

- Murdoch campus (internal)
- This course is not available to international students studying in Australia on a student visa; it is available to international students on other visas if visa conditions allow.

*Restriction: All graduate courses are subject to restriction.*

Success in a globalised business world depends largely on the ability of organisations to provide the most competitive products and services to satisfy international market needs and outperform competition. The overall goal is to teach students how to develop effective marketing strategies based on the resources available and the market needs in a global competitive environment, to achieve sustainable outcomes for all stakeholders. The course provides conceptual knowledge and practical skills for current and future international marketing managers.

**Admission Requirements (Onshore):**

A recognised Bachelor's degree or higher or satisfactory preparation for the course through previous study or professional experience.

English competence.

**Employment Prospects:**

This course is essential to approximately 19,000 Small and Medium Enterprises (SME) in WA who need qualified people to run their international exporting and importing operations. It is useful for working people in operational and technical jobs to upgrade their international marketing skills to gain promotion and job satisfaction. For example, graduates/employees in the food sector, retailing, mining, fashion, media, IT, distribution, communications, education, entertainment and transport will be able to up skill in international marketing to take advantage of the job opportunities in SE Asia.

**Main Research Areas:**

Marketing, cross-cultural marketing and international strategies

**Course Structure - 12 credit points**

**Core Units - 12 credit points**

MBS573 International Marketing Management - 3 points  
MURDOCH: AU2-internal

MBS574 Strategic Research in International Markets - 3 points  
MURDOCH: SP2-internal

MBS575 Cross-Cultural Consumer Behaviour and Neuromarketing - 3 points  
MURDOCH: AU2-internal

MBS576 Global Media Communication - 3 points  
MURDOCH: SP2-internal

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## MEDIA PRODUCTION

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### GRADUATE CERTIFICATE IN MEDIA PRODUCTION (GRADCERTMEDPROD)

School of Arts

Graduate Certificate in Media Production (GradCertMedProd)

Course Codes: C1110

Duration: 1 semester full-time or part-time equivalent

**Availability:**

- Not currently available to new admissions

*Restriction: All graduate courses are subject to restriction.*

This is a production-based qualification for graduates from media or related disciplines, consisting of one semester of full-time study or part-time equivalent. The semester enables students to focus on the vocational and applied elements of their discipline -- film, radio, television, print or digital media -- through advanced master-classes, seminars and productions. Screen students have the unique opportunity of the Industry intensive, where an invited screen producer or director produces a major work with key industry crew and the assistance of students. The course will equip students with production skills and the ability to produce and manage in screen, radio or digital media. Students are recommended to take a second semester and attain the higher qualification of a Graduate Diploma.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree in media production, or equivalent training, or satisfactory preparation for the course through previous study or professional experience. Extensive production credits may also be considered as an appropriate equivalent entry qualification.

English competence.

**Employment Prospects:**

Digital content creation, television, film, video, radio and multimedia production organisations, media and cultural industries, public relations, education, arts management, television journalism, corporate communications, alternative media, and as freelance filmmakers.

**Main Research Areas:**

Media, Communication, Culture, Arts, Sociology.

**Further Study:**

Students who successfully complete the Graduate Certificate may apply for admission to the Graduate Diploma in Media Production.

**Course Structure - 12 credit points**

**Core Units - 9 credit points**

MCC533 Media Production Seminar - 3 points

MCC5101 Advanced Topic in Media Production - 3 points

MCC5102 Advanced Topic in Media Production - 3 points

### Specified Electives - 3 credit points

SCR510 Advanced Topic in Media Production - 3 points

OR

MCC625 Professional Placement in Media Production - 3 points

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## GRADUATE DIPLOMA IN MEDIA PRODUCTION (GRADDIPMEDPROD)

School of Arts

Graduate Diploma in Media Production (GradDipMedProd)

Course Codes: G1056

Duration: 1 year full-time or part-time equivalent

### Availability:

- Not currently available to new admissions

Restriction: All graduate courses are subject to restriction.

This is a production-based qualification for graduates from media or related disciplines, consisting of one year of full-time study or part-time equivalent. The first semester enables students to focus on the vocational and applied elements of their discipline -- film, radio, television, print or digital media -- through advanced master-classes, seminars and production exercises, while developing a major project for second semester. Screen students have the unique opportunity of the Industry intensive, where an invited screen producer or director produces a major work with key industry crew and the assistance of students. The second semester project has students working collaboratively on their own portfolio projects. The course will equip students with production skills and the ability to produce and manage in screen, radio or digital media.

### Admission Requirements (Onshore):

Recognised Bachelor's degree in media production, or equivalent training, or satisfactory preparation for the course through previous study or professional experience. Extensive production credits may also be considered as an appropriate equivalent entry qualification.

English competence.

### Employment Prospects:

Digital content creation, television, film, video, radio and multimedia production organisations, media and cultural industries, public relations, education, arts management, television journalism, corporate communications, alternative media, and as freelance filmmakers.

### Main Research Areas:

Media, Communication, Culture, Arts, Sociology.

## Course Structure - 24 credit points

### Core Units - 21 credit points

MCC533 Media Production Seminar - 3 points

MCC5101 Advanced Topic in Media Production - 3 points

MCC5102 Advanced Topic in Media Production - 3 points

MCC538 Advanced Media Projects - 12 points

### Specified Electives - 3 credit points

SCR510 Advanced Topic in Media Production - 3 points

OR

MCC625 Professional Placement in Media Production - 3 points

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## MIGRATION LAW

### GRADUATE CERTIFICATE IN AUSTRALIAN MIGRATION LAW AND PRACTICE (GRADCERTAUSMIGLAW)

School of Law

Graduate Certificate in Australian Migration Law and Practice (GradCertAusMigLaw)

Course Codes: C1063 C1063A

Duration: 1 semester (intensive)

### Availability:

- Murdoch campus (internal)

Restriction: All graduate courses are subject to restriction.

The Graduate Certificate in Australian Migration Law and Practice is an accredited professional training course which fulfils part of the requirements for individuals to become Registered Migration Agents.

The course will expose students to real-life migration problems and improve the practical, problem-solving and interpersonal skills of its participants, enabling them to function effectively in the important and challenging role of a Migration Agent.

### Admission Requirements (Onshore):

- Evidence that you hold a current legal practising certificate (restricted or unrestricted) issued by an Australian body authorised by law in an Australian state or territory;  
OR
- Evidence that you have successfully completed:
  - matriculation level with a pass in English (not 'English as a Second Language') where English was the language of instruction at the school;  
and
  - a Bachelor degree, or a higher degree, with a minimum of 3 years' equivalent full-time study, where:
    - the degree was conferred by an Australian, New Zealand, UK or Canadian University
    - the study was undertaken while the person was residing in the country where the degree was awarded; and
    - English was the language of instruction at the University
- Current enrolment in Bachelor of Laws (subject to the approval of the Academic Chair)  
OR
- A Bachelor's degree and an IELTS academic of 6.5 with no lower than 6.0 in any band  
OR
- Successful completion of Murdoch's pre-law course  
OR
- In exceptional circumstances on the premise of Academic Chair approval.

International students demonstrating English competence via IELTS need a score of 6.5, with no individual band less than 6.0.

### Professional Recognition:

Migration Agents' Registration Authority (MARA).

## Course Structure - 12 credit points

### Core Units - 12 credit points

LLM502 Australian Migration Law - 3 points  
MURDOCH: SP22-internal, UA1-internal

LLM503 Australian Visa System - 3 points  
MURDOCH: AU10-internal, SP1-internal

LLM555 Migration Law in Practice - 3 points

MURDOCH: AU11-internal, SP17-internal

LLM504 Visa Compliance, Cancellation and Review - 3 points  
MURDOCH: AU10-internal, SP1-internal

## PLANT BIOSECURITY

### GRADUATE CERTIFICATE IN PLANT BIOSECURITY (GRADCERTPLANTBIOSEC)

School of Veterinary and Life Sciences

Graduate Certificate in Plant Biosecurity (GradCertPlantBiosec)

Course Codes: C1088

Duration: 1 semester full-time (Semester 1 only)

#### Availability:

- Murdoch campus (external)
- International students must commence in Semester 1 only.

Restriction: All graduate courses are subject to restriction.

Biosecurity is a growing field of activity for many professionals involved in agriculture, the environment and international and domestic trade. This growth is driven by the need to maintain agricultural and environmental integrity in a world where, due to ever increasing levels of trade and human movement, exotic plant-affecting organisms pose major and ongoing threats. Biosecurity is central to the management of these threats, with a continuum of activities involving risk analysis, quarantine and surveillance to stop the entry of exotic organisms, rapid emergency response in the event of an exotic incursion, and then the management of pest organisms if they permanently establish and impact on trade.

This course has been developed in consultation with government representatives from Canada, the United States, New Zealand and Australia. Students graduating from the course can do so with the knowledge that their degree will meet the highest level of industry requirement.

#### Admission Requirements (Onshore):

A Bachelor's degree or higher, or significant professional experience, in plant biosecurity or a related discipline (for example entomology, plant pathology, quarantine).

English competence.

#### Special Requirements:

All material will be flexibly delivered using the latest online technology.

#### Employment Prospects:

Graduates will be able to pursue careers in biosecurity, quarantine and pest management, acting in technical, research and administrative roles, with organisations such as the State Departments of Agriculture, State Biosecurity Agencies, Biosecurity Services, Plant Health Australia and private industry, or their international counterparts.

#### Professional Recognition:

Graduates will be eligible to apply for membership to societies such as the Australian Entomological Society, the Australian Plant Pathology Society, the Australian Ecological Society, the Australian Institute of Agricultural Science, the Australian Society of Horticultural Sciences and the Australian Society for Risk Analysis.

#### Further Study:

Students who successfully complete the Graduate Certificate may apply for admission to the Graduate Diploma or Masters in Plant Biosecurity.

## Course Structure - 12 credit points

### Core Units - 6 credit points

BIO537 Plant Biosecurity: Detection and Diagnostics - 3 points  
MURDOCH: S1-external

BIO538 Plant Biosecurity in Practice - 3 points  
MURDOCH: S1-external

### Specified Electives - 6 credit points

Select from the following:

OTH541 Biosecurity Plant Pests - Invertebrates (University of Queensland) - 3 points equivalent  
MURDOCH: S1-external

OTH542 Biosecurity Plant Pests - Pathogens (La Trobe University BOT5BPP) - 3 points equivalent  
MURDOCH: S1-external

OTH543 Biosecurity Plant Pests - Weeds (University of Adelaide PLANT SC 7023EX) - 3 points equivalent  
MURDOCH: S1-external

## GRADUATE DIPLOMA IN PLANT BIOSECURITY (GRADDIPPLANTBIOSEC)

School of Veterinary and Life Sciences

Graduate Diploma in Plant Biosecurity (GradDipPlantBiosec)

Course Codes: G1047

Duration: 1 year full-time

#### Availability:

- Murdoch campus (external)

Restriction: All graduate courses are subject to restriction.

Biosecurity is a growing field of activity for many professionals involved in agriculture, the environment and international and domestic trade. This growth is driven by the need to maintain agricultural and environmental integrity in a world where, due to ever increasing levels of trade and human movement, exotic plant-affecting organisms pose major and ongoing threats. Biosecurity is central to the management of these threats, with a continuum of activities involving risk analysis, quarantine and surveillance to stop the entry of exotic organisms, rapid emergency response in the event of an exotic incursion, and then the management of pest organisms if they permanently establish and impact on trade.

This course has been developed in consultation with government representatives from Canada, the United States, New Zealand and Australia. Students graduating from the course can do so with the knowledge that their degree will meet the highest level of industry requirement.

#### Admission Requirements (Onshore):

A Bachelor's degree, or significant professional experience, in plant biosecurity or a related discipline (for example entomology, plant pathology, quarantine).

English competence.

#### Special Requirements:

All material will be flexibly delivered using the latest online technology.

#### Employment Prospects:

Graduates will be able to pursue careers in biosecurity, quarantine and pest management, acting in technical, research and administrative roles, with organisations such as the State Departments of Agriculture, State Biosecurity Agencies, Biosecurity Services, Plant Health Australia and private industry, or their

international counterparts.

**Professional Recognition:**

Graduates will be eligible to apply for membership to societies such as the Australian Entomological Society, the Australian Plant Pathology Society, the Australian Ecological Society, the Australian Institute of Agricultural Science, the Australian Society of Horticultural Sciences and the Australian Society for Risk Analysis.

**Further Study:**

Students who successfully complete the Graduate Diploma may apply for admission to the Master of Plant Biosecurity.

**Nested Awards:**

Students can opt out of the Graduate Diploma of Plant Biosecurity and exit with the Graduate Certificate, subject to satisfying the course requirements.

**Course Structure - 24 credit points**

**Core Units - 18 credit points**

BIO537 Plant Biosecurity: Detection and Diagnostics - 3 points  
MURDOCH: S1-external

BIO538 Plant Biosecurity in Practice - 3 points  
MURDOCH: S1-external

OTH544 Invasion Biology (University of Adelaide PLANT SC 7022EX) - 3 points equivalent  
MURDOCH: S2-external

OTH545 Risk Analysis (University of Adelaide) - 3 points equivalent  
MURDOCH: S2-external

OTH546 Community Engagement (Charles Darwin University SBI401) - 3 points equivalent  
MURDOCH: S2-external

BIO539 Biosecurity Policy Framework Obligations - 3 points  
MURDOCH: S2-external

**Specified Electives - 6 credit points**

Select from the following:

OTH541 Biosecurity Plant Pests - Invertebrates (University of Queensland) - 3 points equivalent  
MURDOCH: S1-external

OTH542 Biosecurity Plant Pests - Pathogens (La Trobe University BOT5BPP) - 3 points equivalent  
MURDOCH: S1-external

OTH543 Biosecurity Plant Pests - Weeds (University of Adelaide PLANT SC 7023EX) - 3 points equivalent  
MURDOCH: S1-external

**MASTER OF PLANT BIOSECURITY (MPLANTBIOSEC)**

School of Veterinary and Life Sciences

Master of Plant Biosecurity (MPlantBiosec)

Course Codes: M1219

Duration: 2 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (external)

Restriction: All graduate courses are subject to restriction.

Biosecurity is a growing field of activity for many professionals involved in agriculture, the environment and international and domestic trade. This growth is driven by the need to maintain agricultural and environmental integrity in a world where, due to ever increasing levels of trade and human movement, exotic plant-affecting organisms pose major and ongoing threats.

Biosecurity is central to the management of these threats, with a continuum of activities involving risk analysis, quarantine and surveillance to stop the entry of exotic organisms, rapid emergency response in the event of an exotic incursion, and then the management of pest organisms if they permanently establish and impact on trade.

This course has been developed in consultation with representatives from Canada, United States, New Zealand and Australia. Students graduating from the course can do so with the knowledge that their degree will meet the highest level of industry requirement.

**Admission Requirements (Onshore):**

A Bachelor degree, Graduate Certificate or Graduate Diploma in Plant Biosecurity or a related discipline (for example entomology, plant pathology, quarantine).

English competence.

**Employment Prospects:**

Graduates will be able to pursue careers in biosecurity, quarantine and pest management, acting in technical, research and administrative roles, with organisations such as the State Departments of Agriculture, State and Federal Biosecurity Agencies, Plant Health Australia and private industry, or their international counterparts.

**Professional Recognition:**

Graduates will be eligible to apply for membership to societies such as the Australian Entomological Society, the Australian Plant Pathology Society, the Australian Ecological Society, the Australian Institute of Agricultural Science, the Australian Society of Horticultural Sciences and the Australian Society for Risk Analysis.

**Nested Awards:**

Students can opt out of the Masters of Plant Biosecurity and exit with the Graduate Certificate or Graduate Diploma subject to satisfying the course requirements.

**Course Structure - 48 credit points**

**Core Units - 42 credit points**

VLS629 Life Sciences Masters Research Dissertation - 12 points  
MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

BIO537 Plant Biosecurity: Detection and Diagnostics - 3 points  
MURDOCH: S1-external

BIO538 Plant Biosecurity in Practice - 3 points  
MURDOCH: S1-external

OTH544 Invasion Biology (University of Adelaide PLANT SC 7022EX) - 3 points equivalent  
MURDOCH: S2-external

OTH545 Risk Analysis (University of Adelaide) - 3 points equivalent  
MURDOCH: S2-external

OTH546 Community Engagement (Charles Darwin University SBI401) - 3 points equivalent  
MURDOCH: S2-external

BIO539 Biosecurity Policy Framework Obligations - 3 points  
MURDOCH: S2-external

VLS683 Advanced Research Methods for Scientists - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

ENV616 Environmental Policy for the 21st Century - 3 points  
MURDOCH: S1-internal, S1-external

ENV680 Climate Change Adaptation: Ecosystems and Societies - 3 points  
MURDOCH: S2-internal, S2-external



VET641 Principles of Epidemiology - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

### Specified Electives - 6 credit points

Select from the following:

OTH541 Biosecurity Plant Pests - Invertebrates (University of Queensland) - 3 points equivalent  
MURDOCH: S1-external

OTH542 Biosecurity Plant Pests - Pathogens (La Trobe University BOT5BPP) - 3 points equivalent  
MURDOCH: S1-external

OTH543 Biosecurity Plant Pests - Weeds (University of Adelaide PLANT SC 7023EX) - 3 points equivalent  
MURDOCH: S1-external

## POLICY STUDIES

### GRADUATE CERTIFICATE IN HEALTH POLICY AND LEADERSHIP (GRADCERTHPL)

Sir Walter Murdoch School of Public Policy and International Affairs

*Graduate Certificate in Health Policy and Leadership (GradCertHPL)*

Course Codes: C1128

Duration: 6 months full-time (Semester 1 commencement only) or 18 months part-time

#### Availability:

- Murdoch campus (internal)

*Restriction: All graduate courses are subject to restriction.*

Effective leadership and management, as well as the understanding of the economics and governance of health policies, are vital to solve a range of increasingly difficult issues in the health care sector. This course aims at providing the conceptual strategic and practical toolkit to current and future health sector professionals to enable them to respond innovatively to these challenges, and operate effectively within health care organisations and while interacting with key stakeholders. It will foster new skills in strategic health leadership and management, healthcare policy and governance, and economics and finance capacity for those already employed in the health sector, while enhancing the value of potential employees entering the sector.

#### Admission Requirements (Onshore):

A recognised Bachelor degree (or equivalent) in any area.

English competence.

#### Employment Prospects:

This course supports the growing demand for health service professionals nationally and internationally. Graduates will be well-placed for careers in health care organisations in the private and public sector, as well as in international organisations (like the WHO, OECD, World Bank, Asian Development Bank etc.), national and medical associations, consultancy firms, insurance companies, medical technology firms and agencies, hospitals, advisory boards, government (national, state and regional departments and agencies), non-government organisations etc.

#### Main Research Areas:

Health policy and management

### Course Structure - 12 credit points

#### Core Units - 12 credit points

SWM519 Strategic Health Leadership and Management - 3 points  
MURDOCH: W-internal

SWM518 Health Economics and Finance - 3 points  
MURDOCH: W-internal

SWM517 Health Policy and Governance - 3 points  
MURDOCH: S1-internal

MBS536 Financial Management Decision Making - 3 points  
MURDOCH: S1-internal

## PSYCHOLOGY

#### See also:

Counselling  
Human Resources and Safety

### GRADUATE DIPLOMA IN CONSULTANCY PSYCHOLOGY (GRADDIPCONSULTPSYCH)

School of Psychology and Exercise Science

*Graduate Diploma in Consultancy Psychology (GradDipConsultPsych)*

Course Codes: G1057

Duration: 1 year full-time or part-time equivalent

#### Availability:

- Murdoch campus (external)
- Some units only: Murdoch campus (internal)

*Restriction: All graduate courses are subject to restriction.*

This course is designed to provide candidates with advanced skills and knowledge in organisational psychology and consulting practice. The course is suitable for individuals who wish to establish themselves as consultants to business and other forms of organisations or work within organisations in consulting relationships. The curriculum combines a range of graduate-level organisational psychology units with elective options drawn from the areas of psychology, counselling and business. Credit for relevant units completed is transferable should a candidate later enrol in the Master of Applied Psychology.

#### Admission Requirements (Onshore):

Recognised Bachelor's degree (AQF Level 7) in any discipline combined with at least one year of relevant work or study experience. Note that some elective units are only available to candidates who have completed four years of study in Psychology or its equivalent.

English competence.

#### Employment Prospects:

Excellent prospects for employment. This course is designed to provide candidates with advanced skills and knowledge in organisational psychology and consulting practice. The course is suitable for individuals who wish to establish themselves as consultants to business and other forms of organisations or work within organisations in consulting relationships.

#### Further Study:

Students who successfully complete the Graduate Diploma may be eligible to apply for admission to the Master of Applied Psychology in Organisational Psychology.

### Course Structure - 24 credit points

#### Core Units - 12 credit points

PSY568 Human Resources - 3 points  
MURDOCH: S1-external

PSY612 Work and Well-being - 3 points  
MURDOCH: S2-external

PSY552 Organisation of Work - 3 points  
MURDOCH: S2-external

PSY563 Professional Practice and Organisational Consulting - 3 points  
MURDOCH: S1-external

### Specified Electives - 12 credit points

Select from the following:

PSY662 Psychological Assessment: Theory and Method - 3 points  
MURDOCH: Y-internal  
(Only available to students with an accredited four-year Psychology degree or equivalent.)

PSY570 Organisational Psychology: Practicum I - 3 points  
MURDOCH: S2-placement  
(Only available to students with an accredited four-year Psychology degree or equivalent.)

MBS539 Accounting for Managers - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MBS537 Strategic Marketing Management - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MBS645 Business Finance - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MBL502 Law for Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

EDN546 Dynamics of Cultural Diversity in the Workplace and the Community - 3 points  
MURDOCH: S1-internal

Other electives may be taken with the permission of the Academic Chair.

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## GRADUATE DIPLOMA IN PSYCHOLOGY (GRADDIPPSYCH)

School of Psychology and Exercise Science

*Graduate Diploma in Psychology (GradDipPsych)*

Course Codes: G1058

Duration: 1 year full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)

*Restriction: All graduate courses are subject to restriction.*

The Graduate Diploma in Psychology provides a fourth year of study in Psychology for graduates who already have completed an accredited three-year undergraduate degree in Psychology. The Diploma thus assists people who wish to meet the minimum educational qualification requirements for registration to work as a psychologist. Students in the Diploma must complete coursework at an advanced level as well as a group-based research project written up as a thesis.

### Admission Requirements (Onshore):

Recognised three-year Bachelor's degree in Psychology from an accredited program. Some students may be required to complete additional units to satisfy specified unit prerequisites.

The Academic Chair will consider applications and recommend students for admission based on an assessment of the student's preparedness to cope with the Graduate Diploma in Psychology, and on current teaching resources available to the school. In some cases, the Academic Chair may recommend a student for admission, but require the student to complete additional designated Murdoch units offered in earlier years than the fourth year.

Quota: The number of students accepted into the course will be determined on a semester-by-semester basis, and will depend upon available resources.

Applications: The application process will coincide with that of all other graduate degrees offered in the School of Psychology and Exercise Science, with close-off dates for the applications occurring approximately one month before the beginning of the following semester.

English competence.

### Employment Prospects:

Students who complete this Diploma will have satisfied the minimum educational requirements for registration to work as a psychologist in Western Australia (provided that their undergraduate degree is from an accredited psychology program), and will also be eligible to apply for entry into relevant Master courses in applied psychology. Graduates will be able to work in many areas of psychology and the helping professions.

### Professional Recognition:

The course is fully accredited by the Australian Psychology Accreditation Council (APAC), and is recognised as such by the Australian Psychological Society (APS) and the Western Australian Psychologists' Registration Board.

## Course Structure - 24 credit points

### Core Units - 24 credit points

PSY541 Psychology Project - 12 points  
MURDOCH: H-internal, Y-internal

PSY599 Graduate Seminar in Psychology - 3 points  
MURDOCH: S1-internal

PSY598 Advanced Psychological Assessment - 3 points  
MURDOCH: S1-internal

PSY536 Psychology: Principles and Processes of Psychological Intervention - 3 points  
MURDOCH: S2-internal

PSY544 Psychology: Practical Placement - 3 points  
MURDOCH: S1-placement (quota of 30 places), S2-placement (quota of 30 places), W-placement (quota of 10 places)

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## MASTER OF APPLIED PSYCHOLOGY (CLINICAL PSYCHOLOGY) (MAPPPSYCH)

School of Psychology and Exercise Science

*Master of Applied Psychology (MAppPsych)*

Course Codes: M1156

Duration: 2 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)

*Restriction: All graduate courses are subject to restriction.*

This professionally-accredited course adheres to a scientist-practitioner model which stresses a systematic problem-solving approach. Its objective is to prepare psychologists who are skilled in individual casework and can apply their skills and knowledge to prevention, research, development, and evaluation at the individual and system levels.

The course consists of two years of full-time study or may be undertaken on a part-time basis over not more than eight years. The course includes coursework, practicum, and research components which will qualify them as clinical psychologists at Master's degree level.

Candidates undertake at least three approved placements. The University cooperates with the Commonwealth and State Public Services, such as the Department of Health, Department for Community Development, Department of Justice, Disability Services

Commission, WA Police Service and other public and private services and facilities in Western Australia. Candidates must include at least one placement in an adult clinical facility, one in a child clinical facility, and one in a rehabilitation facility; two of these placements must be external to the University.

#### **Admission Requirements (Onshore):**

Entry to this course is very competitive and requires a recognised and accredited Bachelor of Arts degree (or Bachelor of Science degree) with at least 2A Honours in Psychology or its equivalent (for example an average Distinction level in a Bachelor of Psychology or Postgraduate/Graduate Diplomas in Psychology). Applicants will also need to supply referee reports and a personal statement that details their past accomplishments, future plans, and interests in the graduate psychology program for which they have applied as part of the admission process.

Students with overseas qualifications who are accepted into the course and who wish to seek registration in Australia after graduation should ensure that their undergraduate qualifications meet the requirements of the relevant psychology registration board for equivalence to a four-year Australian degree in Psychology. Applications with qualifications obtained outside Australia must have a formal assessment completed by the Australian Psychological Society before submitting an application for study.

The admission process includes both application and interview.

English competence.

#### **Special Requirements:**

Graduate students must be registered from the start of their higher degree as a provisional psychologist. Within the first two weeks of commencing the program, the student must gain provisional registration with Psychology Board of Australia. As many agencies require all staff working with their clients or patients to have a police clearance, applicants are required to obtain a Federal police clearance (which will include WA clearance). In addition, when working with children a separate screening by the Department of Child Protection is required. Clearly any agency will only be seeking information about behaviours that may place vulnerable clients at risk and will not be interested in any other type of behaviours. The applicant meets the cost of these clearances. Please note that some organisations providing professional placements require students to provide full immunisation records. Applicants must be in a position to provide these records if required.

#### **Employment Prospects:**

Job prospects for psychologists are very good; employment growth is expected to be strong following recent government initiatives. On graduation from this course, students will be highly employable in a wide variety of areas, including private practice as a registered psychologist, and working in various public and private sector agencies in areas such as health, community development, justice, education, and disabilities.

#### **Professional Recognition:**

This course is fully accredited by the Australian Psychology Accreditation Council (APAC), and is recognised as such by the Australian Psychological Society (APS) and the Psychology Board of Australia (PBA).

#### **Main Research Areas:**

The Murdoch program has a focus on translational clinical research to support the development of research active scientist-practitioners.

#### **Admission to Doctor of Psychology and combined MAppPsych/PhD:**

Students who complete the first year of the Master of Applied Psychology may apply to transfer to the Doctor of Psychology and will be exempt from the units already completed which are

common to both degrees. During their first year of study, students may also apply for enrolment in a PhD and if accepted may enter the combined MAppPsych/PhD course.

#### **Other Facilities and Services:**

Murdoch University has both a specialist child Psychology Clinic and an adult Psychology Clinic to act as a practical training facility.

### **Course Structure - 48 credit points**

Candidates must normally successfully complete the following units to meet Registration and Specialist Entitlement requirements for Clinical Psychologists.

#### **Year 1 - 24 credit points**

##### **Core Units - 24 credit points**

PSY662 Psychological Assessment: Theory and Method - 3 points  
MURDOCH: Y-internal

PSY537 Clinical Psychology: Internal Practicum (Child, Youth and Family) - 3 points  
MURDOCH: SUM-placement, Y-placement

PSY538 Clinical Psychology: Internal Practicum (Adult) - 3 points  
MURDOCH: SUM-placement, Y-placement

PSY664 Clinical Psychology: Working with Children and Families - 3 points  
MURDOCH: S1-internal

PSY665 Clinical Psychology: Working with Adults - 3 points  
MURDOCH: S1-internal

PSY667 Clinical Psychology: Developmental Disabilities - 3 points  
MURDOCH: S2-internal

PSY669 Psychotherapy in Practice - 3 points  
MURDOCH: Y-internal

PSY502 Clinical Psychology: Working with Health Problems - 3 points  
MURDOCH: S2-internal

#### **Year 2 - 24 credit points**

##### **Core Units - 24 credit points**

PSY655 Psychology: Advanced Research Methods - 2 points  
MURDOCH: Y-internal

PSY690 Applied Psychology Dissertation - 10 points  
MURDOCH: S1-internal, S2-internal, Y-internal

PSY604 Clinical Psychology: External Practicum - 12 points  
MURDOCH: S1-placement, S2-placement, SUM-placement, Y-placement

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### **MASTER OF APPLIED PSYCHOLOGY (ORGANISATIONAL PSYCHOLOGY) (MAPPPSYCH)**

School of Psychology and Exercise Science

Master of Applied Psychology (MAppPsych)

Course Codes: M1157

Duration: 2 years full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal) (all but four units which are only available externally)
- Some units only: Murdoch campus (external)

Restriction: All graduate courses are subject to restriction.

This professionally-accredited course adheres to a scientist-practitioner model which stresses a systematic problem-solving approach. Its objective is to prepare psychologists

who are skilled in individual casework and can apply their skills and knowledge to prevention, research, development, and evaluation at the individual, organisational and system levels.

The course consists of two years of full-time study or may be undertaken on a part-time basis over not more than eight years. The course includes coursework, practicum, and research components. Candidates will cover core and optional aspects in their course, which will qualify them as organisational psychologists at Master's degree level.

Candidates undertake at least three approved placements. The University cooperates with the Commonwealth and State Public Services, such as the Department of Health, Department of Consumer and Employment Protection, Department for Community Development, Department of Justice, Education Department of Western Australia, Disability Services Commission, WA Police Service and other public and private services and facilities in Western Australia. Experience in other community psychological areas such as rehabilitation and social service is also available. Candidates must complete four placements, three of which must be conducted in external public or private organisations.

#### **Admission Requirements (Onshore):**

Entry to the program is very competitive and to be accepted into the course applicants must have successfully completed a four year, or three year plus a fourth year, APAC-accredited sequence in psychology, within the last 10 years, with an upper second class Honours (2A) or equivalent overall mark, and be eligible for registration with the psychologist Registration Board as a conditional/provisional psychologist. An exception to this may be made for currently registered psychologists who can demonstrate current compliance with Registration Board CPD requirements.

Students with overseas qualifications who are accepted into the course must ensure that their undergraduate qualifications meet the requirements of the relevant psychology registration board for equivalence to a four-year Australian degree in Psychology in order to be registered from the start of their higher degree as a provisional psychologist. Applications with qualifications obtained outside Australia must have a formal assessment completed by the Australian Psychological Society before submitting an application for study.

The admission process includes both application and interview.

In order to gain admission to this program, students must satisfy the Psychology Board of Australia English requirements by demonstrating competency in the English Language. For more details on this, see <http://www.psychologyboard.gov.au/Registration/Overseas-Applicants.aspx>

English competence.

#### **Special Requirements:**

Graduate students must be registered from the start of their higher degree as a provisional psychologist. Within the first two weeks of commencing the program, the student must gain provisional registration with Psychology Board of Australia. As many agencies require all staff working with their clients or patients to have a police clearance, applicants are required to obtain a Federal police clearance (which will include WA clearance). In addition, if working with children a separate screening by the Department of Community Development is required. Clearly any agency will only be seeking information about behaviours that may place vulnerable clients at risk and will not be interested in any other type of behaviours. The applicant meets the cost of these clearances. Please note that some organisations providing professional placements require students to provide full immunisation records. Applicants must be in a position to provide these records if required.

#### **Employment Prospects:**

Job prospects for applied organisational psychologists are very good; employment growth is expected to reflect the strength of the economy. On graduation from this course, students will be highly employable as a registered psychologist working in various public agencies and across a wide variety of private sectors.

#### **Professional Recognition:**

The course is fully accredited by the Australian Psychology Accreditation Council (APAC), and is recognised as such by the Australian Psychological Society (APS) and the Psychology Board of Australia (PBA). Graduates will be eligible for direct registration as psychologists with the Psychology Board of Australia.

#### **Admission to Doctor of Psychology and combined MAppPsych/PhD:**

Students who complete the first year of the Master of Applied Psychology may apply to transfer to the Doctor of Psychology and will be exempt from the units already completed which are common to both degrees. During their first year of study, students may also apply for enrolment in a PhD and if accepted may enter the combined MAppPsych/PhD course.

#### **Other Facilities and Services:**

Other Facilities and Services Murdoch University has both a specialist child Psychology Clinic and an adult Psychology Clinic and the Organisational Psychology Consulting Service to act as practical training facilities and community services.

### **Course Structure - 48 credit points**

University regulations require completion of a minimum of 24 points at 600-level and a maximum of 24 points at 500-level for a 48-point Masters by Coursework degree.

Candidates must normally successfully complete the following units to meet Registration and Specialist Entitlement requirements for Organisational Psychologists.

#### **Year 1 - 24 credit points**

##### **Core Units - 21 credit points**

PSY662 Psychological Assessment: Theory and Method - 3 points  
MURDOCH: Y-internal

PSY570 Organisational Psychology: Practicum I - 3 points  
MURDOCH: S2-placement

PSY563 Professional Practice and Organisational Consulting - 3 points  
MURDOCH: S1-external

PSY568 Human Resources - 3 points  
MURDOCH: S1-external

PSY612 Work and Well-being - 3 points  
MURDOCH: S2-external

PSY552 Organisation of Work - 3 points  
MURDOCH: S2-external

PSY565 Clinical Psychology: Working with Adults - 3 points  
MURDOCH: S1-internal

##### **Specified Electives - 3 credit points**

Select from the following:

MBS539 Accounting for Managers - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MBS537 Strategic Marketing Management - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MBS645 Business Finance - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MBL502 Law for Business - 3 points

MURDOCH: S1-internal, S1-external, S2-internal, S2-external  
 EDN546 Dynamics of Cultural Diversity in the Workplace and the Community - 3 points  
 MURDOCH: S1-internal  
 An Independent Study Contract at 500/600 level - 3 points  
 Other electives with the permission of the Academic Chair.

## Year 2 - 24 credit points

### Core Units - 24 credit points

PSY655 Psychology: Advanced Research Methods - 2 points  
 MURDOCH: Y-internal  
 PSY690 Applied Psychology Dissertation - 10 points  
 MURDOCH: S1-internal, S2-internal, Y-internal  
 PSY603 Organisational Psychology: Practicum II - 12 points  
 MURDOCH: S1-placement, S2-placement, SUM-placement, Y-placement

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## MASTER OF APPLIED PSYCHOLOGY (PROFESSIONAL) (MAPPSYCH(PROFESSIONAL))

School of Psychology and Exercise Science

Master of Applied Psychology (Professional) (MAppPsych(Professional))

Course Codes: M1238

Duration: 1 year full-time

### Availability:

- Murdoch campus (internal)

Restriction: All graduate courses are subject to restriction.

This course adheres to a scientist-practitioner model that stresses a systematic problem-solving approach. Its objective is to prepare psychologists who are skilled in individual casework and can apply their skills and knowledge to prevention, research, development, and evaluation at the individual and system levels.

The course consists of one year of full-time study. No part-time study is possible in this course. It includes coursework, practicum and research components. Entry to the course is very competitive and requires a recognised and accredited Bachelor of Arts degree (or Bachelor of Science degree) with at least 2A Honours in Psychology or its equivalent (e.g. an average Distinction level in a Bachelor of Psychology or Postgraduate/Graduate Diploma in Psychology/Bachelor of Psychology with evidence of an additional 6 months full-time equivalent of relevant experience).

Candidates undertake two practicums. This may include seeing clients within the University clinics or may include a workplace internship practicum by arrangement with the practicum coordinator.

### Admission Requirements (Onshore):

Entry to the program is very competitive and requires a recognised and accredited Bachelor of Arts degree (or Bachelor of Science degree) with at least 2A Honours in Psychology or a Postgraduate/Graduate Diploma in Psychology. Applicants will also need to supply referee reports and a personal statement that details their past accomplishments, future plans, and interests in the graduate psychology program. Interviews will be offered to the best candidates.

Students with overseas qualifications who are accepted into the course and who wish to seek registration in Australia after graduation should ensure that their undergraduate qualifications meet the requirements of the relevant psychology registration board for equivalence to a four-year Australian degree in Psychology with at least 2A Honours. Applications with

qualifications obtained outside Australia must have a formal assessment completed by the Australian Psychological Society before submitting an application for study.

English competence.

### Special Requirements:

Graduate students must be registered from the start of their higher degree as a provisional psychologist. Within the first two weeks of commencing the course, the student must gain provisional registration with Psychology Board of Australia. As many agencies require all staff working with their clients or patients to have a police clearance, applicants are required to obtain a Federal police clearance (which will include WA clearance). In addition, if working with children a separate Working with Children Check is required. Clearly any agency will only be seeking information about behaviours that may place vulnerable clients at risk and will not be interested in any other type of behaviours. The applicant meets the cost of these clearances. Please note that some organisations providing professional placements require students to provide full immunisation records. Applicants must be in a position to provide these records if required.

### Employment Prospects:

Job prospects for psychologists are very good; employment growth is expected to be strong following recent government initiatives. On graduation from this course, students will be highly employable in a wide variety of areas, including private practice after meeting registration requirements, and working in various public and private sector agencies in areas such as health, community development, justice, education, and disabilities.

### Professional Accreditation:

This course is being submitted for consideration for accreditation by the Australian Psychology Accreditation Council (APAC).

### Main Research Areas:

Academic staff with a range of interests will be available to supervise professionally relevant research projects.

### Other Facilities and Services:

The School of Psychology and Exercise Science has three clinics in which students may complete their practicum: an Adult Psychology Clinic; a specialist Child Psychology Clinic and a Sport and Exercise Science Clinic.

## Course Structure - 24 credit points

### Core Units - 18 credit points

PSY662 Psychological Assessment: Theory and Method - 3 points  
 MURDOCH: Y-internal  
 PSY669 Psychotherapy in Practice - 3 points  
 MURDOCH: Y-internal  
 PSY664 Clinical Psychology: Working with Children and Families - 3 points  
 MURDOCH: S1-internal  
 PSY6551 Psychology: Advanced Research Methods - 3 points  
 MURDOCH: Y-internal  
 PSY610 Professional Psychology: Research Project - 3 points  
 MURDOCH: Y-internal  
 PSY612 Work and Well-being - 3 points  
 MURDOCH: S2-external

### Specified Electives - 6 credit points

Select from the following:

PSY601 Professional Psychology: Practicum 1 (Pre-clinical) - 3 points  
 MURDOCH: S1-internal, S1-placement, SUM-placement, Y-placement

PSY602 Professional Psychology: Practicum 2 (Pre-clinical) - 3 points  
MURDOCH: S2-placement, SUM-placement, Y-placement

PSY605 Professional Psychology: Practicum 1 (Professional) - 3 points  
MURDOCH: S1-placement, SUM-placement, Y-placement

PSY606 Professional Psychology: Practicum 2 (Professional) - 3 points  
MURDOCH: S2-placement, SUM-placement, Y-placement

PSY607 Professional Psychology: Practicum 1 (Workplace Internship) - 3 points  
MURDOCH: S1-placement, SUM-placement, Y-placement

PSY608 Professional Psychology: Practicum 2 (Workplace Internship) - 3 points  
MURDOCH: S2-placement, SUM-placement, Y-placement

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## **MASTER OF APPLIED PSYCHOLOGY + DOCTOR OF PHILOSOPHY (MAPPPSYCH+PHD)**

School of Psychology and Exercise Science

Master of Applied Psychology (MAppPsych) + Doctor of Philosophy (PhD)

Course Codes: D1028 M1156 M1157

Duration: 4 years full-time or part-time equivalent

### **Availability:**

- Murdoch campus (internal)

*Restriction: All graduate courses are subject to restriction.*

This combined course is offered to students wishing to combine professional training at Master's level in Clinical or Organisational Psychology with compatible research at the PhD level. It combines a thorough professional training in the chosen area of specialisation with the high level of research training associated with doctoral-level studies.

The course allows students to fulfil the requirements of both the relevant Masters degree and the PhD. Students who have a strong academic record demonstrating particular strength in the area of research may be considered for entry.

Candidates will normally complete the full first year of the Masters course before going on to enrol in the PhD for the second, third and fourth years. Students are exempted from the Masters thesis requirement and normally complete a 12-point external placement unit concurrently with the PhD commitment. Whilst candidates are advised to complete the first year of the Masters course in advance of beginning the PhD, it is possible to begin with the latter.

There are two Masters courses available: in Clinical Psychology and in Organisational Psychology. Coursework is selected and placements organised according to the area of specialisation. It is a requirement that the topic of the PhD must relate to the area of specialisation.

This professionally accredited course adheres to a scientist-practitioner model which stresses a systematic problem-solving approach. Its objective is to prepare psychologists who are skilled in individual casework and can apply their skills and knowledge to prevention, research, development, and evaluation at the individual, organisational and system levels. It is a professional qualification in Applied Psychology leading to employment in the health, educational, occupational, ergonomic and community areas, which meets international standards. The course also develops students to be expert researchers in their chosen area of specialisation.

### **Admission Requirements (Onshore):**

Entry to the program is very competitive and to be accepted into the course applicants must have successfully completed a four year, or three year plus a fourth year, APAC-accredited sequence in psychology, within the last 10 years, with an upper second class Honours (2A) or equivalent overall mark, and be eligible for registration with the psychologist Registration Board as a conditional/provisional psychologist. An exception to this may be made for currently registered psychologists who can demonstrate current compliance with Registration Board CPD requirements.

Students with overseas qualifications who are accepted into the course must ensure that their undergraduate qualifications meet the requirements of the relevant psychology registration board for equivalence to a four-year Australian degree in Psychology in order to be registered from the start of their higher degree as a provisional psychologist. Applications with qualifications obtained outside Australia must have a formal assessment completed by the Australian Psychological Society before submitting an application for study. In order to gain admission to this program, students must satisfy the Psychology Board of Australia English requirements by demonstrating competency in the English Language. For more details on this, see <http://www.psychologyboard.gov.au/Registration/Overseas-Applicants.aspx>

Applicants must apply simultaneously for entry to both the MAppPsych and the PhD. Unsuccessful applicants for both courses may still be considered for entry to either course on its own. Candidates enrolled in the first year of the MAppPsych may apply for transfer into this course. The admission process includes both application and interview.

English competence.

### **Special Requirements:**

Graduate students must be registered from the start of their higher degree as a provisional psychologist. Within the first two weeks of commencing the program, the student must gain provisional registration with the Psychology Board of Australia. As many agencies require all staff working with their clients or patients to have a police clearance, students are required to obtain a Federal police clearance (which will include WA clearance) if accepted into the course. In addition, if working with children a separate screening by the Department of Community Development is required. Clearly any agency will only be seeking information about behaviours that may place vulnerable clients at risk and will not be interested in any other types of behaviour. The student must meet the cost of obtaining these clearances. Please note that some organisations providing professional placements require students to provide full immunisation records. Applicants must be in a position to provide these records if required.

### **Employment Prospects:**

Job prospects for applied psychologists are very good; employment growth is expected to be strong following recent government initiatives. On graduation from this course, students will be highly employable in a wide variety of areas, including private practice as a registered psychologist, and working in various public and private sector agencies in areas such as health, community development, justice, education, and disabilities.

### **Professional Recognition:**

The course is fully accredited by the Australian Psychology Accreditation Council (APAC), and is recognised as such by the Australian Psychological Society (APS) and the Psychology Board of Australia (PBA). Graduates will be eligible for direct registration as psychologists with the Psychology Board of Australia.

### **Other Facilities and Services:**

Murdoch University has both a specialist child Psychology Clinic and an adult Psychology Clinic and the Organisational Psychology

Consulting Service to act as practical training facilities and community services.

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## Clinical Psychology

### Course Structure - 96 credit points

#### First Year - 24 credit points

##### Core Units - 24 credit points

PSY662 Psychological Assessment: Theory and Method - 3 points  
MURDOCH: Y-internal

PSY664 Clinical Psychology: Working with Children and Families - 3 points  
MURDOCH: S1-internal

PSY565 Clinical Psychology: Working with Adults - 3 points  
MURDOCH: S1-internal

PSY502 Clinical Psychology: Working with Health Problems - 3 points  
MURDOCH: S2-internal

PSY567 Clinical Psychology: Developmental Disabilities - 3 points  
MURDOCH: S2-internal

PSY669 Psychotherapy in Practice - 3 points  
MURDOCH: Y-internal

PSY537 Clinical Psychology: Internal Practicum (Child, Youth and Family) - 3 points  
MURDOCH: SUM-placement, Y-placement

PSY538 Clinical Psychology: Internal Practicum (Adult) - 3 points  
MURDOCH: SUM-placement, Y-placement

#### Second, Third and Fourth Years

Students are required to enrol concurrently in PSY755 Psychology: Advanced Research Methods with their first enrolment in PSY920 Research Studies -- Psychology.

PSY920 Research Studies -- Psychology

PSY755 Psychology: Advanced Research Methods  
MURDOCH: Y-internal

PSY604 Clinical Psychology: External Practicum - 12 points  
MURDOCH: S1-placement, S2-placement, SUM-placement, Y-placement

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## Organisational Psychology

### Course Structure - 96 credit points

#### First Year - 24 credit points

##### Core Units - 21 credit points

PSY662 Psychological Assessment: Theory and Method - 3 points  
MURDOCH: Y-internal

PSY568 Human Resources - 3 points  
MURDOCH: S1-external

PSY570 Organisational Psychology: Practicum I - 3 points  
MURDOCH: S2-placement

PSY612 Work and Well-being - 3 points  
MURDOCH: S2-external

PSY563 Professional Practice and Organisational Consulting - 3 points  
MURDOCH: S1-external

PSY552 Organisation of Work - 3 points  
MURDOCH: S2-external

PSY565 Clinical Psychology: Working with Adults - 3 points  
MURDOCH: S1-internal

#### Specified Electives - 3 credit points

Select from the following:

MBS539 Accounting for Managers - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MBS537 Strategic Marketing Management - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MBS645 Business Finance - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MBL502 Law for Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

EDN546 Dynamics of Cultural Diversity in the Workplace and the Community - 3 points  
MURDOCH: S1-internal

#### Second, Third and Fourth Years

Students must enrol in PSY755 Psychology: Advanced Research Methods concurrently with their first enrolment in PSY920 Research Studies -- Psychology.

PSY920 Research Studies -- Psychology

PSY755 Psychology: Advanced Research Methods  
MURDOCH: Y-internal

PSY603 Organisational Psychology: Practicum II - 12 points  
MURDOCH: S1-placement, S2-placement, SUM-placement, Y-placement

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## DOCTOR OF PSYCHOLOGY (CLINICAL PSYCHOLOGY) (DPSYCH)

School of Psychology and Exercise Science

Doctor of Psychology (DPSych)

Course Codes: D1064

Duration: 3 and a half years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)

Restriction: All graduate courses are subject to restriction.

The Doctor of Psychology is an intensive three and a half year professional research degree consisting of seminars, supervised practical work and applied research.

The first year of study is the same as Year 1 of the relevant Master of Applied Psychology (MAppPsych). Students who complete the first year of the Master of Applied Psychology with marks of distinction may apply for transfer to the DPSych. The specific purpose of the DPSych is to enable students to undertake applied Doctoral-level research on a topic of their choice which will make a distinct contribution to the profession whilst gaining skills in applied psychology to meet registration requirements, and to pursue specialised study in a professional area of their choice.

All of the teaching staff are practising Clinical Psychologists. Murdoch University has the Psychology Clinic to act as a practical training facility. In addition, the University cooperates with Commonwealth and State Public Service Ministries and Departments such as Department for Community Development, Justice, Health, the Disability Services Commission and other public and private services and facilities in Western Australia.

Candidates will select appropriate practical placements to be approved by the School Committee.

#### Admission Requirements (Onshore):

On admission, applicants should hold a four year sequence of study in an APAC accredited Psychology program with the equivalent of a 2A honours degree in Psychology. Students with overseas qualifications who may be accepted into the course need to ensure,

should they wish to seek registration within Australia after graduation, that their undergraduate qualification meets the requirements of the relevant psychology registration board for equivalence to a four-year Australian degree in Psychology. Applications with qualifications obtained outside Australia must have a formal assessment completed by the Australian Psychological Society before submitting an application for study.

Applicants who hold the equivalent of the relevant Master of Applied Psychology are to complete the balance of units in the DPsych. A maximum of 36 points of credit may be granted to those applicants who have completed equivalent coursework. The degree may be undertaken on a part-time basis but requires attendance of on-campus seminars and, for parts of the course, full-day attendance on campus or at a practicum site.

Students who complete the first year of the relevant Master of Applied Psychology and who average grades of Distinction in their core first year units may also apply for transfer to the DPsych. Applicants for the DPsych are required to submit a synopsis of their intended research and the name of a supervisor on the staff of the University as part of their application. Applicants will be required to present their research plans to a panel of Psychology staff prior to admission. Students permitted to transfer from the Master of Applied Psychology will be exempt from the units common to both degrees.

English competence.

#### **Special Requirements:**

Graduate students must be registered from the start of their higher degree as a provisional psychologist. Within the first two weeks of commencing the program, the student must gain provisional registration with Psychology Board of Australia. As many agencies require all staff working with their clients or patients to have a police clearance, students are required to obtain a Federal police clearance (which will include WA clearance) if accepted into the course. Successful applicants also need to have a Working with Children Check before they begin work in the internal clinic. Clearly any agency will only be seeking information about behaviours that may place vulnerable clients at risk and will not be interested in any other type of behaviours. The student meets the cost of these clearances. Please note that some organisations providing professional placements require students to provide full immunisation records. Applicants must be in a position to provide these documents if required.

#### **Professional Recognition:**

Australian Psychology Accreditation Council (APAC), and approval by the relevant Colleges of the Australian Psychological Society (APS).

### **Course Structure - 84 credit points**

Candidates must normally successfully complete the following units to meet Registration and Specialist Entitlement requirements for Clinical Psychologists.

#### **Year 1 - 24 credit points**

##### **Core Units - 24 credit points**

PSY662 Psychological Assessment: Theory and Method - 3 points  
MURDOCH: Y-internal

PSY537 Clinical Psychology: Internal Practicum (Child, Youth and Family) - 3 points  
MURDOCH: SUM-placement, Y-placement

PSY538 Clinical Psychology: Internal Practicum (Adult) - 3 points  
MURDOCH: SUM-placement, Y-placement

PSY669 Psychotherapy in Practice - 3 points  
MURDOCH: Y-internal

PSY664 Clinical Psychology: Working with Children and Families -

3 points

MURDOCH: S1-internal

PSY565 Clinical Psychology: Working with Adults - 3 points  
MURDOCH: S1-internal

PSY567 Clinical Psychology: Developmental Disabilities - 3 points  
MURDOCH: S2-internal

PSY502 Clinical Psychology: Working with Health Problems - 3 points  
MURDOCH: S2-internal

### **Year 2 and Onward - 60 credit points**

#### **Core Units - 60 credit points**

Students must enrol in PSY755 Psychology: Advanced Research Methods concurrently with their first enrolment in PSY700 Doctor of Psychology Thesis.

PSY755 Psychology: Advanced Research Methods  
MURDOCH: Y-internal

PSY700 Doctor of Psychology Thesis - 48 points  
MURDOCH: S1-internal, S2-internal, SUM-internal, Y-internal  
Full-time students should enrol in this unit for 12 points for each of four semesters and part-time students should enrol in 6 points for each of eight semesters or until submission of the thesis.

PSY703 Doctor of Psychology (Clinical): Practicum I - 6 points  
MURDOCH: S1-placement, S2-placement, SUM-placement, Y-placement

PSY704 Doctor of Psychology (Clinical): Practicum II - 6 points  
MURDOCH: S1-placement, S2-placement, SUM-placement, Y-placement

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## **DOCTOR OF PSYCHOLOGY (ORGANISATIONAL PSYCHOLOGY) (DPSYCH)**

School of Psychology and Exercise Science

Doctor of Psychology (DPSych)

Course Codes: D1063

Duration: 3 and a half years full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal)

Restriction: All graduate courses are subject to restriction.

The Doctor of Psychology is an intensive three and a half year professional research degree consisting of seminars, supervised practical work and applied research.

The first year of study is the same as Year 1 of the relevant Master of Applied Psychology (MAppPsych). Students who complete the first year of the Master of Applied Psychology with marks of distinction may apply for transfer to the DPsych. The specific purpose of the DPsych is to enable students to undertake applied Doctoral-level research on a topic of their choice which will make a distinct contribution to the profession whilst gaining skills in applied psychology to meet registration requirements, and to pursue specialised study in a professional area of their choice.

All of the teaching staff are practising Applied Psychologists. Murdoch University has the Psychology Clinic, the Counselling Psychology Consulting Service and the Organisational Psychology Consulting Service to act as practical training facilities and community services. In addition, the University cooperates with Commonwealth and State Public Service Ministries and Departments such as Department for Community Development, Justice, Employment, Health, Safety and Welfare, Education, the Disability Services Commission and other public and private services and facilities in Western Australia.



In the first year, candidates will select units and practical placements to be approved by the School Committee.

**Admission Requirements (Onshore):**

Entry to the program is very competitive and to be accepted into the course applicants must have successfully completed a four year, or three year plus a fourth year, APAC-accredited sequence in psychology, within the last 10 years, with an upper second class Honours (2A) or equivalent overall mark, and be eligible for registration with the psychologist Registration Board as a conditional/provisional psychologist. An exception to this may be made for currently registered psychologists who can demonstrate current compliance with Registration Board CPD requirements.

Students with overseas qualifications who are accepted into the course must ensure that their undergraduate qualifications meet the requirements of the relevant psychology registration board for equivalence to a four-year Australian degree in Psychology in order to be registered from the start of their higher degree as a provisional psychologist. Applications with qualifications obtained outside Australia must have a formal assessment completed by the Australian Psychological Society before submitting an application for study.

The admission process includes both application and interview. In order to gain admission to this program, students must satisfy the Psychology Board of Australia English requirements by demonstrating competency in the English Language. For more details on this, see <http://www.psychologyboard.gov.au/Registration/Overseas-Applicants.aspx>

English competence.

**Special Requirements:**

Graduate students must be registered from the start of their higher degree as a provisional psychologist. Within the first two weeks of commencing the program, the student must gain provisional registration with Psychology Board of Australia. As many agencies require all staff working with their clients or patients to have a police clearance, students are required to obtain a Federal police clearance (which will include WA clearance) if accepted into the course. Clearly any agency will only be seeking information about behaviours that may place vulnerable clients at risk and will not be interested in any other type of behaviours. The student meets the cost of these clearances. Please note that some organisations providing professional placements require students to provide full immunisation records. Applicants must be in a position to provide these documents if required.

Students must also:

- Attend 6 advanced workshops outlined below including the Psychology Board of Australia's approved supervision training. These do not count towards practicum placement hours.
- 1) Conflict Management and Negotiation in the Workplace
- 2) Influence in the Workplace
- 3) Applied Project Management Part 1 (1 day)
- 4) Applied Project Management Part 2 (1 day)
- 5) PRINCE2 Foundation Certification Course (3 days) and Applied PRINCE2 (1 day)
- 6) Supervisor Training Workshop (1 day).

**Professional Recognition:**

Australian Psychology Accreditation Council (APAC), and approval by the relevant Colleges of the Australian Psychological Society (APS).

**Course Structure - 84 credit points**

Candidates must normally successfully complete the following units to meet Registration and Specialist Entitlement requirements for

Organisational Psychologists.

**Year 1 - 24 credit points**

**Core Units - 21 credit points**

- PSY662 Psychological Assessment: Theory and Method - 3 points  
MURDOCH: Y-internal
- PSY570 Organisational Psychology: Practicum I - 3 points  
MURDOCH: S2-placement
- PSY563 Professional Practice and Organisational Consulting - 3 points  
MURDOCH: S1-external
- PSY568 Human Resources - 3 points  
MURDOCH: S1-external
- PSY612 Work and Well-being - 3 points  
MURDOCH: S2-external
- PSY552 Organisation of Work - 3 points  
MURDOCH: S2-external
- PSY565 Clinical Psychology: Working with Adults - 3 points  
MURDOCH: S1-internal

**Specified Electives - 3 credit points**

Select from the following:

- MBS539 Accounting for Managers - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external
- MBS537 Strategic Marketing Management - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external
- MBS645 Business Finance - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external
- MBL502 Law for Business - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external
- EDN546 Dynamics of Cultural Diversity in the Workplace and the Community - 3 points  
MURDOCH: S1-internal

An Independent Study Contract at 500/600 level - 3 points

Other electives with the permission of the Academic Chair.

**Year 2 and Onward - 60 credit points**

**Core Units - 60 credit points**

- Students must enrol in PSY755 Psychology: Advanced Research Methods concurrently with their first enrolment in PSY700 Doctor of Psychology Thesis.
- PSY755 Psychology: Advanced Research Methods  
MURDOCH: Y-internal
- PSY700 Doctor of Psychology Thesis - 48 points  
MURDOCH: S1-internal, S2-internal, SUM-internal, Y-internal  
Full-time students should enrol in this unit for 12 points for each of four semesters and part-time students should enrol in 6 points for each of eight semesters or until submission of the thesis.
- PSY701 Doctor of Psychology (Organisational): Practicum I - 6 points  
MURDOCH: S1-placement, S2-placement, Y-placement
- PSY702 Doctor of Psychology (Organisational): Practicum II - 6 points  
MURDOCH: S1-placement, S2-placement, SUM-placement, Y-placement

## PUBLIC POLICY AND MANAGEMENT

### GRADUATE CERTIFICATE IN PUBLIC POLICY AND MANAGEMENT (GRADCERTPPM)

Sir Walter Murdoch School of Public Policy and International Affairs

Graduate Certificate in Public Policy and Management (GradCertPPM)

Course Codes: C1102

Duration: 1 semester full-time

**Availability:**

- Murdoch campus (internal)
- International students must commence in Semester 1 only.

*Restriction: All graduate courses are subject to restriction.*

The Graduate Certificate in Public Policy and Management introduces students to the strategic, analytical and professional knowledge and skills necessary for careers in the government, non-profit and private sectors. This six-month course is designed for recent graduates and those who may be exploring a new career direction. Students will learn what it means to analyse, design and implement policy in current institutional and regulatory environments.

**Admission Requirements (Onshore):**

Admission to the Graduate Certificate is available to students who have a recognised Bachelor degree in any area.

English competence.

**Employment Prospects:**

Suitable for students looking to work in the public sector, the not-for-profit sector and for professionals who work at the intersection between government and business.

### Course Structure - 12 credit points

**Core Units - 12 credit points**

SWM509 Public Policy: Theory and Practice - 3 points  
MURDOCH: S1-internal

SWM515 Public Sector Management - 3 points  
MURDOCH: S1-internal

SWM516 Policy Research and Evaluation - 3 points  
MURDOCH: S1-internal

MBS536 Financial Management Decision Making - 3 points  
MURDOCH: S1-internal

### MASTER OF PUBLIC POLICY AND MANAGEMENT (MPPM)

Sir Walter Murdoch School of Public Policy and International Affairs

Master of Public Policy and Management (MPPM)

Course Codes: M1194

Duration: 2 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

*Restriction: All graduate courses are subject to restriction.*

The Master of Public Policy and Management (MPPM) equips students with the strategic, analytical and professional skills for a career in the government, non-profit, and private sectors both in Australia and internationally. It provides students with the knowledge and skills to analyse, design and implement policy in complex institutional and regulatory environments. The core units of the program cover public policy theory and practice, network governance, policy design, public sector management, policy

research and evaluation, and public sector economics.

**Admission Requirements (Onshore):**

Admission to the Masters degree is available to students who have a Bachelor degree in any area.

English competence.

**Employment Prospects:**

Suitable for students looking to work in the public sector, the not-for-profit sector and for professionals who work at the intersection between government and business.

**Advanced Standing:**

A student's advanced standing is assessed at the time of application, taking into account level of higher study and/or professional experience.

Up to 12 points (0.5 years) of advanced standing is available to students who have: a Bachelor's degree with a major in Public Policy and Management or a cognate area; or a Bachelor's degree in an unrelated discipline and Level 8 Graduate Certificate or Diploma in Public Policy and Management or equivalent; or an Honours degree or equivalent in an unrelated discipline; or a Bachelor's degree in an unrelated discipline and two years of relevant documented professional experience.

Up to 24 points (1 year) of advanced standing is available to students with an Honours Bachelor's degree or equivalent in Public Policy and Management or a cognate area; or an honours degree or equivalent in an unrelated discipline and at least two years of relevant documented professional experience.

**Exemption from Coursework Regulations:**

In this course, where appropriate, undergraduate units (between 100- and 400-level) have been included to meet the learning outcomes for the entire course: graduate students can expect to be part of a learning community with undergraduate students in these units.

### Course Structure - 48 credit points

**Core Units - 24 to 33 credit points**

**Theory - 21 credit points**

SWM509 Public Policy: Theory and Practice - 3 points  
MURDOCH: S1-internal

SWM622 Network Governance - 3 points  
MURDOCH: S1-internal

SWM644 Public Policy and International Affairs Foundations - 3 points  
MURDOCH: S1-internal

SWM645 Public Sector Economics - 3 points  
MURDOCH: S2-internal

SWM614 Policy Design - 3 points  
MURDOCH: S2-internal

SWM515 Public Sector Management - 3 points  
MURDOCH: S1-internal

SWM516 Policy Research and Evaluation - 3 points  
MURDOCH: S1-internal

**Capstone Experience - 3 to 12 credit points**

Select one of the following options:

EITHER

SWM618 Social Science Research Design - 3 points  
MURDOCH: S1-internal

and

SWM617 Supervised Research Thesis - 6 points  
MURDOCH: S1-internal, S2-internal

OR

SWM618 Social Science Research Design - 3 points  
MURDOCH: S1-internal

and

SWM6171 Supervised Research Thesis - 9 points  
MURDOCH: S1-internal, S2-internal  
(This 12,000- to 15,000-word thesis can only be taken with the approval of the Dean of the Sir Walter Murdoch School of Public Policy and International Affairs.)

OR

SWM619 Research Internship - 6 points  
MURDOCH: S1-internal, S2-internal

OR

SWM620 Advanced Policy Case Study - 3 points  
MURDOCH: S1-internal, S2-internal, W-internal

Alternatively, students can enrol in ART607 In-Country Studies Indonesia - 6 points [MURDOCH: SUM-internal] during the summer period. This is an ACICIS program. Students interested in this option should consult the ACICIS Secretariat and gain approval from the Academic Chair of Public Policy and Management.

### Specified Electives - 15 to 24 credit points

Please note that Sir Walter Murdoch School students may take any of the core units listed in the Master of International Affairs and Master of Development Studies as an elective for the Masters of Public Policy and Management.

Select from the following lists:

#### Professional

MBS536 Financial Management Decision Making - 3 points  
MURDOCH: S1-internal

MBS6411 Project Management - 3 points  
MURDOCH: S1-internal

MCC687 Managing Communication - 3 points  
MURDOCH: S2-internal

MBS687 Effective Leadership - 3 points  
MURDOCH: S1-internal, S1-external

MBS555 Human Resource Management Perspectives - 3 points  
MURDOCH: S1-internal, S1-external

MBS651 Leading and Managing Nonprofit Organisations - 3 points  
MURDOCH: SP17-internal, SP17-external

SWM621 Ethical Challenges of Contemporary Societies - 3 points  
MURDOCH: S2-internal

SWM519 Strategic Health Leadership and Management - 3 points  
MURDOCH: W-internal

TLC501 Graduate Study in a Cross-Cultural Context - 3 points  
MURDOCH: S1-internal, S2-internal

#### Policy

SWM510 Australian Public Sector - 3 points  
Not available this year

ENV616 Environmental Policy for the 21st Century - 3 points  
MURDOCH: S1-internal, S1-external

SWM626 Social Policy for the Contemporary World - 3 points  
Not available this year

SWM623 Contemporary Dynamics in Asian International Affairs - 3 points  
MURDOCH: S1-internal

SWM624 Global Trade Policy - 3 points  
Not available this year

SWM627 Counterterrorism Policy - 3 points  
Not available this year

SWM628 Development and Sustainability - 3 points  
MURDOCH: S2-internal

SWM636 Global Governance and International Institutions - 3 points  
MURDOCH: S2-internal

SWM641 E-Politics: the Internet and the Future of Power - 3 points  
MURDOCH: S1-internal

SWM642 Islamic Politics and Development - 3 points  
MURDOCH: S2-internal

SWM643 Political Violence - 3 points  
MURDOCH: S2-internal

COD505 Mining, Communities and Sustainability - 3 points  
MURDOCH: S2-internal, S2-external

SWM646 Parliamentary Studies - 3 points  
MURDOCH: S2-internal

BIO639 Biosecurity Threats and Invasions - 3 points  
MURDOCH: S1-internal, S1-external

BIO681 Challenges in Food Security - 3 points  
MURDOCH: S2-internal

SWM517 Health Policy and Governance - 3 points  
MURDOCH: S1-internal

SWM518 Health Economics and Finance - 3 points  
MURDOCH: W-internal

#### Language

Students may take up to two language units in either Indonesian or Japanese. Placement in language units is at the discretion of the Academic Chair, following an assessment of the student's language skills. There may be restrictions for students completing the Masters in 24 points. Please refer to the Handbook for available units in Indonesian or Japanese.

## RESEARCH DEGREES - GENERAL

#### See also:

Education  
Law  
Psychology

### MASTER OF PHILOSOPHY (MPhil)

No Specific School

*Master of Philosophy (MPhil)*

*Duration: 2 years full-time or part-time equivalent*

#### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)
- Peel campus (internal)
- Peel campus (external)
- Rockingham campus (internal)
- Rockingham campus (external)

*Restriction: All graduate courses are subject to restriction.*

The Master of Philosophy (MPhil) is an internationally recognised graduate research degree that involves undertaking a significant

research project. It is a supervised research program involving the independent research of a specific topic under the guidance of a supervisor. Students are required to provide a thesis that demonstrates their capacity for critical analysis and application of specialist knowledge. The MPhil program provides students with an opportunity to develop and enhance their analytical and research skills through independent investigation in a specific field. The candidate must undertake an original investigation which would normally be more limited in scope and degree of originality than a PhD. Many MPhil students choose to continue with their research in order to obtain a PhD. Likewise, some PhD students elect to finish early with an MPhil.

Students are required to produce a thesis no more than 60,000 words.

Graduate research offers an opportunity for you to develop a research project that fascinates you and acquire critical thinking and research skills that will transform the way you see the world. The process of completing your thesis means you have exciting opportunities to:

- \* Make an original contribution to human knowledge.
- \* Work with and be challenged by top academics and experts in your field, as well as attending national and international conferences.
- \* Experience the joy of spending several years exploring a research topic you're passionate about.
- \* Gain knowledge and critical thinking skills that will change the way you see the world.

Candidature for research degrees is offered in all Schools. The University encourages research in interdisciplinary areas as well as in the basic disciplines.

For further information on Graduate Research Degrees, see the Future Research Students web site:  
<http://goto.murdoch.edu.au/FutureResearchStudents>

#### **Admission Requirements (Onshore):**

To be eligible for admission as a candidate for the Master of Philosophy (MPhil), an applicant must have:

- \* a Bachelor Degree with at least a 2A Honours (AQF level 8); or
- \* a Bachelor Degree (AQF level 7), and satisfy the Manager of Graduate Research with evidence of significant scholarly or professional attainments providing satisfactory research preparation equivalent to AQF level 8.

#### **Admission Requirements (Offshore):**

Remote candidates should generally spend a period of at least six months (not necessarily continuously) at the University during their candidature and a library, and any other facilities necessary for graduate research, must be available at the student's location. Applications are considered individually on their own merits.

Students demonstrating competence via IELTS need a score of 6.5 with no individual band less than 6.0, or via TOEFL (Internet-based) need a minimum score of 90 with no band less than 20.

#### **Special Requirements:**

Applicants for part-time study must submit a statement that they will be able to devote a minimum of 15 hours per week to their research in each year of their candidature. Full-time students must devote at least 37.5 hours per week on average to research.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

Some students propose to carry out research in the course of their current employment. The conditions of this kind of enrolment must be agreed by the research candidate, their employer and the Research Degrees and Scholarships Committee.

Before you apply for admission to a graduate research project at

Murdoch University, you will need to write a research proposal. For the best chance of being accepted, you should also find and nominate a potential supervisor.

Given the amount of time and effort you'll be investing in your research, it's important that your research topic inspires you and will keep you motivated throughout your research journey. Here is a step-by-step guide to help you develop your research proposal and find a supervisor:

<http://www.murdoch.edu.au/Research-capabilities/Future-research-students/Your-research-project/>

#### **Employment Prospects:**

When you complete a research degree at Murdoch University, you'll do much more than write a thesis. You'll develop a whole range of new skills including critical thinking, researching and writing, and experience being published, teaching and presenting in domestic and international conferences. These skills are transferable across any industry, so after graduating you could find yourself in any number of academic or non-academic roles, in the private or public sector.

#### **Professional Recognition:**

This is an internationally recognised graduate research degree that involves undertaking a significant research project.

#### **Intake Periods:**

You can apply for research degrees at any time during the year. Degrees that are comprised solely of a research project can be commenced at any time.

#### **Scholarships:**

Scholarships are available for both domestic students and international students. Financial assistance can include tuition fees, living allowances and even international travel awards. See the future research students web site for more details:

<http://www.murdoch.edu.au/Research-capabilities/Future-research-students/Admission-and-scholarships/>

## **Course Structure - 48 credit points**

For further information on Graduate Research Degrees, see the future research students website:

<http://goto.murdoch.edu.au/FutureResearchStudents>

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## **RESEARCH MASTERS (WITH TRAINING)**

No Specific School

*Master of [fieldname]*

*Duration: 1.5 years full-time or part-time equivalent*

#### **Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)
- Peel campus (internal)
- Peel campus (external)
- Rockingham campus (internal)
- Rockingham campus (external)

*Restriction: All graduate courses are subject to restriction.*

Candidature for research degrees is offered in all Schools. The University encourages research in interdisciplinary areas as well as in the basic disciplines.

The Research Masters (with Training) is an 18-month full-time (or three years part-time) degree designed for students for whom additional, or specialised, research training is desirable. It is designed for:

- \* Industry professionals who seek to extend and deepen their research expertise

\* Professionals and others interested in undertaking research relevant to their professional field

\* Those hoping to proceed to higher degrees but lacking in the conventional background.

Students are required to produce a thesis no more than 60,000 words. Once conferred, RMT graduates will be assessed on a case-by-case basis and may be considered eligible for admission to Doctor of Philosophy (PhD) candidature.

For further information on Graduate Research Degrees, see the Future Research Students web site:  
<http://goto.murdoch.edu.au/FutureResearchStudents>

#### **Admission Requirements (Onshore):**

To be eligible for admission as a candidate for a Research Masters with Training (RMT), an applicant must:

- \* have a Bachelor Degree in the same or cognate discipline (AQF level 7) and satisfy the Manager with evidence of professional attainments relevant to the proposed research discipline; or
- \* have a Bachelor Degree in a different discipline (AQF level 7) and:
  - a) have successfully completed a graduate course in the same discipline requiring at least one year of equivalent full-time study (AQF level 8); or
  - b) satisfy the Manager of Graduate Research with evidence of professional attainments (of at least two years' full-time duration or equivalent) relevant to the proposed research discipline; or
- \* satisfy the Manager of Graduate Research with evidence of significant scholarly or professional attainments equivalent to AQF level 8.

English competence.

#### **Special Requirements:**

Applicants for part-time study must submit a statement that they will be able to devote a minimum of 15 hours per week to their research in each year of their candidature.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

Before you apply for admission to a graduate research project at Murdoch University, you will need to write a research proposal. For the best chance of being accepted, you should also find and nominate a potential supervisor.

Given the amount of time and effort you'll be investing in your research, it's important that your research topic inspires you and will keep you motivated throughout your research journey. Here is a step-by-step guide to help you develop your research proposal and find a supervisor:

<http://www.murdoch.edu.au/Research-capabilities/Future-research-students/Your-research-project/>

#### **Intake Periods:**

You can apply for research degrees at any time during the year. Students who have received credit for the coursework component of the RMT and their degree is comprised solely of a research project, can commence at any time. Students who are required to complete the coursework component will need to commence at the start of the relevant semester.

### **Course Structure - 36 credit points**

Candidates undertake 12 points of graduate coursework units in their research area. Units should relate to the area of research and be discussed with supervisors. A satisfactory outcome must be achieved in those units before a candidate is allowed to progress to their research thesis (24 credit points). The thesis is expected to be 25,000 to 30,000 words in length.

For further information on Graduate Research Degrees, see the Future Research Students website:

<http://goto.murdoch.edu.au/FutureResearchStudents>

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## **DOCTOR OF PHILOSOPHY (PHD)**

No Specific School

*Doctor of Philosophy (PhD)*

*Duration: 4 years full-time or part-time equivalent*

#### **Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)
- Peel campus (internal)
- Peel campus (external)
- Rockingham campus (internal)
- Rockingham campus (external)

*Restriction: All graduate courses are subject to restriction.*

The Doctor of Philosophy (PhD) involves students independently researching a specific topic under the guidance of a supervisor. The aim of the PhD is to foster the development of independent research skills including the capacity to formulate a problem, develop mastery of appropriate conceptual and methodological skills to address it, and relate the research topic to a broader framework of knowledge in a relevant discipline. Research involves critical inquiry designed to further human knowledge. Students are required to produce a thesis no more than 100,000 words, with the research representing a significant new contribution to the discipline.

Graduate research offers an opportunity for you to develop a research project that fascinates you and acquire critical thinking and research skills that will transform the way you see the world. The process of completing your thesis means you have exciting opportunities to:

- \* Make an original contribution to human knowledge.
- \* Work with and be challenged by top academics and experts in your field, as well as attending national and international conferences.
- \* Experience the joy of spending several years exploring a research topic you're passionate about.
- \* Gain knowledge and critical thinking skills that will change the way you see the world.

Candidature for research degrees is offered in all Schools. The University encourages research in interdisciplinary areas as well as in the basic disciplines.

For further information on Graduate Research Degrees, see the Future Research Students web site:

<http://goto.murdoch.edu.au/FutureResearchStudents>

#### **Admission Requirements (Onshore):**

To be eligible for admission as a candidate for a Doctor of Philosophy (PhD), an applicant must:

- \* have a Bachelor Degree with at least a 2A Honours (AQF level 8); or
- \* have a Masters Degree (AQF level 9) which incorporates satisfactory research preparation equivalent to at least 12 credit points; or
- \* be enrolled as a Master of Philosophy (MPhil) candidate in the University (AQF level 9) and satisfy the Manager with evidence of the ability to complete a Doctoral Degree (Research) successfully (AQF level 10) within the enrolment period specified in Regulation 29;
- or
- \* have a Bachelor Degree (AQF Level 7) and satisfy the Manager of Graduate Research with evidence of substantive and significant scholarly or professional attainments providing satisfactory research

preparation equivalent of AQF level 8 or 9.

**Admission Requirements (Offshore):**

Remote candidates should generally spend a period of at least six months (not necessarily continuously) at the University during their candidature. A library, and any other facilities necessary for graduate research, must be available at the student's location. Applications are considered individually on their own merits.

English competence.

**Special Requirements:**

Applicants for part-time study must submit a statement that they will be able to devote a minimum of 15 hours per week to their research in each year of their candidature. Full-time students must devote at least 37.5 hours per week on average to research.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

Some students propose to carry out research in the course of their current employment. The conditions of this kind of enrolment must be agreed by the research candidate, their employer and the Research Degrees and Scholarships Committee.

Before you apply for admission to a graduate research project at Murdoch University, you will need to write a research proposal. For the best chance of being accepted, you should also find and nominate a potential supervisor.

Given the amount of time and effort you'll be investing in your research, it's important that your research topic inspires you and will keep you motivated throughout your research journey. Here is a step-by-step guide to help you develop your research proposal and find a supervisor:  
<http://www.murdoch.edu.au/Research-capabilities/Future-research-students/Your-research-project/>

**Professional Recognition:**

This is an internationally recognised graduate research degree that involves undertaking a significant research project.

**Intake Periods:**

You can apply for research degrees at any time during the year. Degrees that are comprised solely of a research project can be commenced at any time.

**Scholarships:**

Scholarships are available for both domestic students and international students. Financial assistance can include tuition fees, living allowances and even international travel awards. See the future research students web site for more details:  
<http://www.murdoch.edu.au/Research-capabilities/Future-research-students/Admission-and-scholarships/>

**Course Structure - 96 credit points**

For further information on Graduate Research Degrees, see the future research students website:  
<http://goto.murdoch.edu.au/FutureResearchStudents>

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## SUSTAINABILITY

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### GRADUATE CERTIFICATE IN SUSTAINABLE DEVELOPMENT (GRADCERTSUSTDEV)

School of Management and Governance

Graduate Certificate in Sustainable Development (GradCertSustDev)

Course Codes: C1119

Duration: 1 semester full-time (Semester 1 commencement only) or

part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)
- International students must commence in Semester 1 only.

*Restriction: All graduate courses are subject to restriction.*

This course provides the knowledge and skills that are particularly relevant for a wide range of sustainability careers within local, state or federal government, businesses and NGOs, in Australia or internationally. Through the course, students develop expertise in key sustainable development issues and practices, such as climate change adaptation, urban sustainability and regional resilience. Each student is also given an opportunity to build their professional resume by undertaking a career-relevant sustainability internship or practical project for academic credit.

The Graduate Certificate aims to provide pathways into careers in the fast-growing 'green collar' economy and also addresses the career development needs of professionals who are already working within areas of sustainability practice.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree (AQF Level 7) or higher, or equivalent training.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

English competence.

**Employment Prospects:**

The Graduate Certificate provides pathways into careers in the fast-growing 'green collar' economy and also addresses the career development needs of professionals who are already working in areas of sustainability practice. The course provides expertise that is highly prized in local government (through Sustainability and Environmental Officer positions, for instance), and in state and federal government agencies concerned with the environment, urban and regional planning, transport, economic development, cultural planning, and behaviour change for sustainability. The course also develops skills that are increasingly valued by sustainability consultants and within sectors of the economy (such as mining) where progressive businesses are seeking opportunities to make their products, services and operations more sustainable.

**Main Research Areas:**

Sustainable Development; education policy; environmental ethics; urban and regional planning.

**Further Study:**

Students who successfully complete the Graduate Certificate may apply for admission and advanced standing into the Master of Sustainable Development.

**Course Structure - 12 credit points**

**Core Units - 12 credit points**

Select from the following:

SUS512 Sustainability, Ecology and Communities - 3 points  
MURDOCH: S1-internal, S1-external

SUS523 Cities and Sustainability - 3 points  
MURDOCH: S1-internal, S1-external

SUS611 Resilient Regions: People and Practice - 3 points  
MURDOCH: SUM-internal (quota of 10 places), SUM-external

SUS532 Sustainable Development Internship Project - 6 points  
MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, Y-internal, Y-external

## MASTER OF SUSTAINABLE DEVELOPMENT (MSUSTDEV)

School of Management and Governance

Master of Sustainable Development (MSustDev)

Course Codes: M1214

Duration: 2 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

Restriction: All graduate courses are subject to restriction.

The Master of Sustainable Development takes a holistic approach, providing students with the knowledge and skills that are particularly relevant for a wide range of sustainability careers within local, state or federal government, businesses and NGOs. The course addresses the implementation of sustainability at local, regional and global levels, and within urban and rural areas, and a wide range of organisations. Students have the opportunity to explore cutting-edge sustainability practices and policy relating to such areas as energy, water use, waste, climate change, biodiversity, urban planning and land management, international development, and sustainability education.

The Core module provides a sophisticated understanding of some of the most important dimensions of Sustainable Development practice, including: sustainability issues and implementation at the global, regional and local levels; urban and regional sustainability; climate change adaptation, sustainability education; and sustainability and international development within Asia. Within this Core module, each student is given an opportunity to build their professional resume by undertaking a career-relevant internship or practical project for academic credit.

Professional Electives enable students to acquire professional skills in areas including: project management, community development and strategic communication.

Policy Electives give students an opportunity to develop specialised expertise in areas such as: environmental impact assessment, energy policy, GIS, and environmental management, policy and law.

Finally, the course concludes with a Capstone program that gives students the opportunity to deepen their knowledge and research skills by undertaking a Research Dissertation (that could qualify students seeking admission to a PhD) or a Research Project.

### Admission Requirements (Onshore):

Recognised Bachelor's degree (AQF Level 7) or higher, or equivalent training, though not necessarily in an area directly related to the proposed course, or satisfactory preparation through previous study or professional experience.

English competence.

### Special Requirements:

There may be a reduction in choice of units if completing this course in the external mode.

### Employment Prospects:

This course aims to develop the skills, knowledge and professional acumen needed for sustainable development leadership within international and Australian businesses, government agencies, and non-government organisations. Students acquire expertise in innovative sustainability practices, as well as high-level research training and professional development. During the course, each student is given an opportunity to build their professional resume by undertaking a career-relevant internship or practical project for academic credit. The course brings together high-achieving students and industry practitioners from many different parts of the world and harnesses their unique skill-sets through team projects and

other forms of interactive learning. Part of the course's magic come from the networking and ideas exchange that take place when tomorrow's sustainable development leaders come together in this dynamic environment.

### Nested Awards:

Students taking the Master of Sustainable Development can opt for an early exit with the Graduate Certificate in Sustainable Development subject to satisfying their course requirements.

## Course Structure - 48 credit points

### Core Units - 33 or 42 credit points

#### Theory - 27 credit points

SUS512 Sustainability, Ecology and Communities - 3 points  
MURDOCH: S1-internal, S1-external

SUS523 Cities and Sustainability - 3 points  
MURDOCH: S1-internal, S1-external

COD505 Mining, Communities and Sustainability - 3 points  
MURDOCH: S2-internal, S2-external

SUS532 Sustainable Development Internship Project - 6 points  
MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, Y-internal, Y-external

SUS611 Resilient Regions: People and Practice - 3 points  
MURDOCH: SUM-internal (quota of 10 places), SUM-external

AST650 Culture, Communities and Sustainability in Asia - 3 points  
MURDOCH: S1-internal, S1-external

ENV536 Engaging with a Sustainable Future - 3 points  
MURDOCH: S2-internal, S2-external

ENV680 Climate Change Adaptation: Ecosystems and Societies - 3 points  
MURDOCH: S2-internal, S2-external

### Capstone Experience - 6 or 15 credit points

Select one of the following two options:

ART610 Masters by Coursework Research Dissertation - 12 points  
MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

and

ART604 Advanced Research Methods - 3 points  
MURDOCH: S1-internal, S1-external

OR

ART6401 Masters by Coursework Research Project - 6 points  
MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, Y-internal, Y-external

### Specified Electives - 6 or 15 credit points

Students completing ART610 Masters by Coursework Research Dissertation and ART604 Advanced Research Methods are required to complete two units from the lists of electives below.

Students completing ART6401 Masters by Coursework Research Project are required to complete five (5) units from the lists below, at least three (3) of which must be at 600-level.

### Professional Electives

MBS685 Project Management - 3 points  
MURDOCH: W-internal, W-external

MBS687 Effective Leadership - 3 points  
MURDOCH: S1-internal, S1-external

MBS651 Leading and Managing Nonprofit Organisations - 3

6

points

MURDOCH: SP17-internal, SP17-external

SWM621 Ethical Challenges of Contemporary Societies - 3 points

MURDOCH: S2-internal

MCC687 Managing Communication - 3 points

MURDOCH: S2-internal

### Policy Electives

ENV556 Principles of Environmental Impact Assessment - 3 points

MURDOCH: S1-internal, S1-external

ENV552 Comparative Environmental Policy and Law - 3 points

MURDOCH: S1-internal

PEN591 Energy Policy - 3 points

MURDOCH: S2-internal, S2-external

ENV616 Environmental Policy for the 21st Century - 3 points

MURDOCH: S1-internal, S1-external

## TERTIARY AND ADULT EDUCATION

### See also:

Education

### GRADUATE CERTIFICATE IN TERTIARY AND ADULT EDUCATION (GRADCERTTERADED)

School of Education

Graduate Certificate in Tertiary and Adult Education (GradCertTerAdEd)

Course Codes: C1025

Duration: 1 year part-time (due to unit availability)

#### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

Restriction: All graduate courses are subject to restriction.

The Graduate Certificate in Tertiary and Adult Education is designed for people who are interested in the education of adults e.g. university lecturers or tutors, TAFE lecturers, nurse educators, adult literacy teachers, community adult educators, industrial training officers.

#### Admission Requirements (Onshore):

A recognised Bachelor degree (AQF Level 7) or satisfactory preparation for the course through previous study or professional experience.

English competence.

#### Special Requirements:

There may be a reduction in choice of units if completing this course in the external mode.

#### Further Study:

Students who successfully complete the Graduate Certificate may apply for admission to the Graduate Diploma in Education (Tertiary and Adult).

#### Advanced Standing:

Students who have completed other relevant qualifications or a staff development or induction program for tertiary teaching should consult with the Accreditation Officer about the exemptions available.

### Course Structure - 12 credit points

#### Core Units - 6 credit points

EDN540 Facilitating Lifelong Learning - 6 points

MURDOCH: S1-internal, S1-external

#### Specified Electives - 6 credit points

EDN544 Tertiary and Adult Education Policy - 3 points

MURDOCH: S2-internal, S2-external

EDN588 Curriculum Development for Practitioners - 3 points

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

EDN541 Practical Methods of Instruction - 3 points

MURDOCH: S1-internal, S1-external

## GRADUATE DIPLOMA IN EDUCATION (TERTIARY AND ADULT) (GRADDIPED)

School of Education

Graduate Diploma in Education (GradDipEd)

Course Codes: G1025

Duration: 1 year full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

Restriction: All graduate courses are subject to restriction.

This course is designed for people who are interested in the education of adults (e.g. university lecturers or tutors, technical college lecturers, nurse educators, adult literacy teachers, community adult educators, industrial training officers).

#### Admission Requirements (Onshore):

A recognised Bachelor degree (AQF Level 7) or satisfactory preparation for the course through previous study or professional experience.

English competence.

#### Special Requirements:

EDN570 Professional and Action Learning Project should be taken in the last semester of the course. In order to meet the requirements of that unit, students have responsibility for arranging access to a group or groups of adult learners. Such access should permit students to teach, tutor, train or facilitate the group (or groups) over an extended period of time (usually 10 weeks.)

#### Employment Prospects:

This course provides development for the professional role of a lecturer, adult educator, facilitator, professional development facilitator, instructor or professional trainer.

#### Advanced Standing:

Students who have completed other relevant qualifications or a staff development or induction program for tertiary teaching should consult with the Accreditation Officer about the exemptions available.

### Course Structure - 24 credit points

#### Core Units - 15 credit points

EDN540 Facilitating Lifelong Learning - 6 points

MURDOCH: S1-internal, S1-external

EDN544 Tertiary and Adult Education Policy - 3 points

MURDOCH: S2-internal, S2-external

EDN588 Curriculum Development for Practitioners - 3 points

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

EDN541 Practical Methods of Instruction - 3 points

MURDOCH: S1-internal, S1-external

#### Specified Electives - 9 credit points

Select from the following:

EDN518 Professional Development Portfolio - 3 points



MURDOCH: S1-external

EDN571 Mentoring - 3 points  
MURDOCH: SP3-internal

EDN546 Dynamics of Cultural Diversity in the Workplace and the Community - 3 points  
MURDOCH: S1-internal

EDU616 Teaching, Learning and Working in Culturally Diverse Environments - 3 points  
MURDOCH: S1-internal, S1-external

EDU615 Learning and Teaching with ICT - 3 points  
MURDOCH: S2-external

EDU645 Adult Learning in Education and Work - 3 points  
MURDOCH: S2-external

EDU610 Introduction to Research for Educators - 6 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

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## THEOLOGY

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### GRADUATE CERTIFICATE IN THEOLOGY (GRADCERTTHEOL)

School of Arts

Graduate Certificate in Theology (GradCertTheol)

Course Codes: C1124

Duration: 1 year part-time

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

*Restriction: All graduate courses are subject to restriction.*

The Graduate Certificate in Theology provides a basic theological grounding for teachers in religious schools and staff in church agencies. It is also an excellent way for those with a general interest in Theology to obtain an introduction to the key areas of theological inquiry. The course introduces students to biblical studies, methods of theological construction, and the history of Christianity.

**Admission Requirements (Onshore):**

A recognised Bachelors degree (AQF level 7) or higher.

English competence.

#### Course Structure - 12 credit points

**Core Units - 12 credit points**

THE505 Thinking Theology - 3 points  
MURDOCH: S1-internal, S1-external

THE506 Introduction to the Old Testament - 3 points  
MURDOCH: S1-internal, S1-external

THE507 Introduction to the New Testament - 3 points  
MURDOCH: S2-internal, S2-external

THE509 Turning Points in Church History - 3 points  
MURDOCH: S2-internal, S2-external

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### GRADUATE DIPLOMA IN CHAPLAINCY (GRADDIPCHAP)

School of Arts

Graduate Diploma in Chaplaincy (GradDipChap)

Course Codes: G1067

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

*Restriction: All graduate courses are subject to restriction.*

Caring for the spiritual needs of people in a variety of life situations has become increasingly important in contemporary society. As a result, chaplains are now found in schools, hospitals, prisons, aged care, and many work places. This qualification provides an excellent academic and practical foundation for meeting the challenges of working as a chaplain across a range of contexts.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree (AQF level 7) in any discipline.

English competence.

**Employment Prospects:**

Employment opportunities include chaplaincy in schools, hospitals, prisons, aged care, and other work places.

#### Course Structure - 24 credit points

**Core Units - 12 credit points**

THE505 Thinking Theology - 3 points  
MURDOCH: S1-internal, S1-external

THE528 Spirituality - 3 points  
MURDOCH: S1-internal, S1-external

THE512 Pastoral Practicum - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

THE513 Chaplaincy in Theory and Practice - 3 points  
MURDOCH: S2-external

**Specified Electives - 12 credit points**

Select from the following:

THE512 Pastoral Practicum - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external  
(This Core Unit may be repeated once as a Specified Elective with different content.)

THE511 Teaching Religion in Schools - 3 points  
MURDOCH: S2-internal, S2-external

THE506 Introduction to the Old Testament - 3 points  
MURDOCH: S1-internal, S1-external

THE507 Introduction to the New Testament - 3 points  
MURDOCH: S2-internal, S2-external

THE509 Turning Points in Church History - 3 points  
MURDOCH: S2-internal, S2-external

THE510 Emerging Christian Theology: The Creeds (100-500 CE) - 3 points  
MURDOCH: S2-external

THE645 Pastoral Care - 3 points  
MURDOCH: S1-internal, S1-external

THE624 Ethics - 3 points  
MURDOCH: S1-internal, S1-external

COD545 Community Development Theory and Practice - 3 points  
MURDOCH: S1-internal, S1-external

## GRADUATE DIPLOMA IN THEOLOGY (GRADDIPTHEOL)

School of Arts

Graduate Diploma in Theology (GradDipTheol)

Course Codes: G1050

Duration: 1 year full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

Restriction: All graduate courses are subject to restriction.

The Graduate Diploma in Theology provides substantial theological grounding for teachers in religious schools and staff in church agencies. It is also an excellent way for those with a general interest in Theology to obtain a significant foundation in the key areas of theological inquiry. The course introduces students to biblical studies, methods of theological construction, and the history of Christianity. Students are then able to develop their knowledge further in these areas through the selection of appropriate electives.

### Admission Requirements (Onshore):

A recognised Bachelors degree (AQF level 7) or higher.

English competence.

### Course Structure - 24 credit points

#### Core Units - 15 credit points

THE506 Introduction to the Old Testament - 3 points  
MURDOCH: S1-internal, S1-external

THE507 Introduction to the New Testament - 3 points  
MURDOCH: S2-internal, S2-external

THE505 Thinking Theology - 3 points  
MURDOCH: S1-internal, S1-external

THE509 Turning Points in Church History - 3 points  
MURDOCH: S2-internal, S2-external

THE510 Emerging Christian Theology: The Creeds (100-500 CE) - 3 points  
MURDOCH: S2-external

#### Specified Electives - 9 credit points

Select from the following units, with at least 3 points at 500 level.

THE528 Spirituality - 3 points  
MURDOCH: S1-internal, S1-external

THE645 Pastoral Care - 3 points  
MURDOCH: S1-internal, S1-external

THE624 Ethics - 3 points  
MURDOCH: S1-internal, S1-external

THE625 Christology - 3 points  
Not available this year

THE620 Old Testament Exegesis - 3 points  
MURDOCH: S2-internal, S2-external

THE621 New Testament Exegesis - 3 points  
MURDOCH: S1-external

THE622 Globalisation of Modern Christianity - 3 points  
MURDOCH: S1-internal, S1-external

THE623 Britain and the Reformation Era - 3 points  
Not available this year

THE619 Triune God - 3 points  
MURDOCH: S2-internal, S2-external

THE511 Teaching Religion in Schools - 3 points

MURDOCH: S2-internal, S2-external

## MASTER OF DIVINITY (MDIV)

School of Arts

Master of Divinity (MDiv)

Course Codes: M1207

Duration: 3 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

Restriction: All graduate courses are subject to restriction.

This course explores one of the world's oldest learning disciplines and immerses students in the history, beliefs and practices of the Christian tradition. In this three-year course, students will explore history, literature, social sciences and philosophy to gain an in-depth understanding of how the Christian tradition has developed and its meaning and value today. Students will study units in Biblical Studies, Church History, Systematic Theology and Practical Theology.

### Admission Requirements (Onshore):

Recognised Bachelor's degree in any discipline. Consideration will be given to previous studies in Theology for possible advanced standing of up to 24 points of credit toward the Master of Divinity.

English competence.

### Employment Prospects:

Students in Theology training for ordained ministry are selected by their respective churches. In addition teachers in church schools need to do some Theology. Other employment prospects exist as church youth workers and chaplains in government schools.

### Professional Recognition:

This course is a professional qualification for ministry. When completed in conjunction with prescribed Church requirements, it is a recognised university qualification in Western Australia for ordination in the Anglican Church of Australia and the Uniting Church of Australia.

### Unit Selection:

The Coursework option of the Master of Divinity is appropriate for those who wish to study for a professional qualification as the academic component of preparation for ordination. It is also the best option for those seeking broad knowledge of the range of theological disciplines. The Research option is appropriate for those who wish to specialise in one or more specific areas of Theology, particularly those who may wish to progress to a higher degree by research.

### Course Structure - 72 credit points

#### Year 1 - 24 credit points

##### Core Units - 18 credit points

THE506 Introduction to the Old Testament - 3 points  
MURDOCH: S1-internal, S1-external

THE507 Introduction to the New Testament - 3 points  
MURDOCH: S2-internal, S2-external

THE505 Thinking Theology - 3 points  
MURDOCH: S1-internal, S1-external

THE509 Turning Points in Church History - 3 points  
MURDOCH: S2-internal, S2-external

THE528 Spirituality - 3 points  
MURDOCH: S1-internal, S1-external

THE510 Emerging Christian Theology: The Creeds (100-500 CE) - 3 points  
MURDOCH: S2-external

#### **Specified Electives - 6 credit points**

REL207 Biblical Hebrew I - 3 points  
MURDOCH: S1-internal, S1-external

REL208 Biblical Hebrew II - 3 points  
MURDOCH: S2-internal, S2-external

REL209 New Testament Greek I - 3 points  
Not available this year

REL210 New Testament Greek II - 3 points  
Not available this year

THE513 Chaplaincy in Theory and Practice - 3 points  
MURDOCH: S2-external

THE511 Teaching Religion in Schools - 3 points  
MURDOCH: S2-internal, S2-external

COD545 Community Development Theory and Practice - 3 points  
MURDOCH: S1-internal, S1-external

or select from any other 500-level unit in the School of Arts with the Academic Chair's approval.

#### **Coursework Option - 48 credit points**

##### **Year 2 - 24 credit points**

##### **Core Units - 24 credit points**

THE620 Old Testament Exegesis - 3 points  
MURDOCH: S2-internal, S2-external

THE621 New Testament Exegesis - 3 points  
MURDOCH: S1-external

THE615 Worship and Liturgy - 3 points  
Not available this year

THE625 Christology - 3 points  
Not available this year

THE623 Britain and the Reformation Era - 3 points  
Not available this year

THE663 Church, Ministry and Sacraments - 3 points  
Not available this year

THE618 Homiletics - 3 points  
Not available this year

THE617 Advanced Biblical Interpretation Seminar - 3 points  
Not available this year

##### **Year 3 - 24 credit points**

##### **Core Units - 24 credit points**

THE620 Old Testament Exegesis - 3 points  
MURDOCH: S2-internal, S2-external

THE621 New Testament Exegesis - 3 points  
MURDOCH: S1-external

THE622 Globalisation of Modern Christianity - 3 points  
MURDOCH: S1-internal, S1-external

THE619 Triune God - 3 points  
MURDOCH: S2-internal, S2-external

THE645 Pastoral Care - 3 points  
MURDOCH: S1-internal, S1-external

THE614 Apologetics - 3 points  
MURDOCH: S2-internal, S2-external

THE616 Missiology - 3 points  
MURDOCH: S2-internal, S2-external

THE624 Ethics - 3 points

MURDOCH: S1-internal, S1-external

#### **Research Option - 48 credit points**

##### **Years 2 and 3 - 48 credit points**

##### **Core Units - 48 credit points**

Select a Research Option from those listed below of up to 15 points and select the balance of the points for Years 2 and 3 Core Units from the Coursework Option Year 2 and Year 3 units listed above.

##### **Research Option 1 - 6 credit points**

ART6401 Masters by Coursework Research Project - 6 points  
MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, Y-internal, Y-external

##### **Research Option 2 - 12 credit points**

ART604 Advanced Research Methods - 3 points  
MURDOCH: S1-internal, S1-external

and

ART6402 Masters by Coursework Research Project - 9 points  
Not available this year

##### **Research Option 3 - 15 credit points**

ART604 Advanced Research Methods - 3 points  
MURDOCH: S1-internal, S1-external

and

ART610 Masters by Coursework Research Dissertation - 12 points  
MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

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## **VETERINARY SCIENCE**

### **MASTER OF VETERINARY CLINICAL STUDIES (MVETCLINSTUD)**

School of Veterinary and Life Sciences

Master of Veterinary Clinical Studies (MVetClinStud)

Course Codes: M1223

Duration: 1.5 years full-time

#### **Availability:**

- Murdoch campus (internal)
- This course is not available to International students.

Restriction: All graduate courses are subject to restriction.

This course provides veterinarians engaged in a residency training program with intense clinical instruction using case material from the Murdoch University Veterinary Hospital. The course comprises units and structured training opportunities that meet the credentials for examination by the Australian and New Zealand College of Veterinary Scientists or the American or European Colleges in the relevant veterinary clinical discipline. Practical clinical training is based on supervised management of clinical cases in a selected field of veterinary clinical science, attendance and participation in clinical rounds, seminars, journal club and necropsy presentations, and in the completion of papers for publication in peer-reviewed journals.

#### **Admission Requirements (Onshore):**

Current registration as a Veterinary Surgeon in Australia or recognised qualifications that would permit registration as a Veterinary Surgeon in Australia; plus acceptance into a Residency Training Program in the College of Veterinary Medicine; plus approval of the Academic Chair.

English competence equivalent to an IELTS of 7.0 or greater.

**Employment Prospects:**

This course provides clinical training opportunities that meet components of the credentialing process for examination by the Australian and New Zealand College of Veterinary Scientists or the American or European Colleges in the relevant veterinary clinical discipline. As such, this is a step in the professional pathway to recognition as a veterinary specialist and towards a career in veterinary academia.

**Professional Accreditation:**

This course meets components of the credentialing process for examination by the Australian and New Zealand College of Veterinary Scientists or the American or European Colleges in the relevant clinical discipline.

**Course Structure - 36 credit points****Core Units - 18 to 36 credit points**

VET678 Veterinary Case Management Rounds - 3 points  
MURDOCH: H-internal, Y-internal

VET679 Seminars in Veterinary Clinical Studies - 3 points  
MURDOCH: H-internal, Y-internal

VET622 Case Reports - 3 points  
MURDOCH: S1-external (quota of 20 places), S2-external (quota of 20 places)

The number of points across Advanced Veterinary Case Management and Advanced Veterinary Case Management 2, and the choice of Specified Elective units, must be approved by the Academic Chair based on the discipline choice of the student.

VET675 Advanced Veterinary Case Management - 3 points  
MURDOCH: H-internal, S1-internal, S2-internal, Y-internal

VET676 Advanced Veterinary Case Management 2 - 3 points  
MURDOCH: H-internal, S1-internal, S2-internal, Y-internal

VET6761 Advanced Veterinary Case Management 2 - 6 points  
MURDOCH: H-internal, S1-internal, S2-internal, Y-internal

VET6762 Advanced Veterinary Case Management 2 - 9 points  
MURDOCH: H-internal, S1-internal, S2-internal, Y-internal

**Specified Electives - 0 to 18 credit points**

Select from the following with approval of the Academic Chair.

VET621 Clinical Pathology 1 - 3 points  
MURDOCH: S2-external (quota of 25 places)

VET648 Clinical Pathology 2 - 3 points  
Not available this year

VET625 Medicine 1 - 3 points  
MURDOCH: S1-external (quota of 30 places)

VET626 Medicine 2 - 3 points  
MURDOCH: S2-external (quota of 30 places)

VET628 Dermatology - 3 points  
Not available this year

VET629 Infectious and Parasitic Diseases - 3 points  
MURDOCH: S2-external (quota of 30 places)

VET694 Evidence-Based Clinical Practice - 3 points  
MURDOCH: S1-external (quota of 30 places)

VET649 Veterinary Studies Masters Research Dissertation - 12 points  
MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

VET641 Principles of Epidemiology - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

VET642 Practical Applications of Epidemiology - 3 points  
MURDOCH: S1-internal, S1-external

VET609 Medicine 3 - 3 points  
Not available this year

VET647 Advanced Surgical Techniques - 3 points  
Not available this year

VET673 Equine Medicine I - 3 points  
MURDOCH: S1-internal, S1-external

VET674 Equine Medicine II - 3 points  
MURDOCH: S2-internal, S2-external

VET660 Advanced Anaesthesia and Critical Care - 3 points  
MURDOCH: S1-external (quota of 30 places)

VET671 Advanced Diagnostic Imaging - 3 points  
Not available this year

VET694 Evidence-Based Clinical Practice - 3 points  
MURDOCH: S1-external (quota of 30 places)

VET699 Epidemiological Studies: Design and Analysis - 3 points  
MURDOCH: S1-internal, S1-external

VET666 Research Methodology - 3 points  
Not available this year

**MASTER OF VETERINARY STUDIES  
(CONSERVATION MEDICINE) (MVS)**

School of Veterinary and Life Sciences

Master of Veterinary Studies (MVS)

Course Codes: M1122

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal) (subject to approval of Academic Chair)
- Murdoch campus (external)

Restriction: All graduate courses are subject to restriction.

Conservation medicine is an emerging discipline that involves the integration of veterinary science, conservation biology and public health in order to: advance biodiversity conservation; address issues associated with the interrelationships between human, animal and ecosystem health; and study the effects of global environmental change on these health interrelationships. There is increasing recognition that veterinarians have an important role to play within interdisciplinary teams working on environmental conservation projects.

This degree will provide veterinarians with training and expertise which can be applied in private practice, zoos and wildlife conservation projects. It may be entirely coursework-based or may involve a placement with a conservation project either in Australia or overseas.

**Admission Requirements (Onshore):**

Recognised Bachelor of Veterinary Medicine and Surgery (BVMS) or higher, or equivalent training.

Recognised Prior Learning: at least one year of experience in the workplace if applying to enter directly into this course.

Students demonstrating English competence via IELTS need an overall score of 6.5 with no individual band less than 6.0, or equivalent proficiency test. Students who undertake English for Academic Purposes (EAP) will still be required to sit a proficiency test.

**Employment Prospects:**

Careers in endangered species recovery projects, as zoo veterinarians or in wildlife conservation through work in private practice.

**Professional Recognition:**

The Australian Veterinary Association recognises veterinary graduate study as fulfilling requirements toward required professional development (continuing veterinary education).

**Main Research Areas:**

Wildlife, Zoo and Conservation Medicine.

**Course Structure - 24 credit points**

University regulations require completion of a minimum of 16 points at 600-level and a maximum of 8 points at 500-level for a 24-point Masters by Coursework degree.

**Core Units - 12 to 15 credit points**

VET630 Conservation Medicine - 3 points  
MURDOCH: S2-internal, S2-external

VET631 Wildlife Medicine - 3 points  
MURDOCH: S1-internal, S1-external

Plus either

VET639 Veterinary Studies Masters Project - 3 points  
MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

OR

VET6391 Veterinary Studies Masters Project - 6 points  
MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

Plus either

VET641 Principles of Epidemiology - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

OR

VET694 Evidence-Based Clinical Practice - 3 points  
MURDOCH: S1-external (quota of 30 places)

**Specified Electives - 9 to 12 credit points**

Choice of electives will be determined by the total of credit points taken as Core Units.

Select from the units below. Some electives have specific entrance requirements and students will need to check with Unit Coordinators to determine their eligibility for these units. Students are also able to pursue cross-institutional enrolment opportunities. More information is available upon acceptance into the course.

VET664 Wildlife Comparative Pathology Project - 3 points  
MURDOCH: S2-internal, S2-external

VET639 Veterinary Studies Masters Project - 3 points  
MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

VET6391 Veterinary Studies Masters Project - 6 points  
MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

VET629 Infectious and Parasitic Diseases - 3 points  
MURDOCH: S2-external (quota of 30 places)

VET621 Clinical Pathology 1 - 3 points  
MURDOCH: S2-external (quota of 25 places)

VET640 Infectious and Emerging Diseases - 3 points  
MURDOCH: S2-internal, S2-external

VET641 Principles of Epidemiology - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

VET699 Epidemiological Studies: Design and Analysis - 3 points  
MURDOCH: S1-internal, S1-external

VET642 Practical Applications of Epidemiology - 3 points  
MURDOCH: S1-internal, S1-external

VET649 Veterinary Studies Masters Research Dissertation - 12 points  
MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

VET694 Evidence-Based Clinical Practice - 3 points  
MURDOCH: S1-external (quota of 30 places)

AST650 Culture, Communities and Sustainability in Asia - 3 points  
MURDOCH: S1-internal, S1-external

SUS611 Resilient Regions: People and Practice - 3 points  
MURDOCH: SUM-internal (quota of 10 places), SUM-external

ENV680 Climate Change Adaptation: Ecosystems and Societies - 3 points  
MURDOCH: S2-internal, S2-external

ENV616 Environmental Policy for the 21st Century - 3 points  
MURDOCH: S1-internal, S1-external

**MASTER OF VETERINARY STUDIES (SMALL ANIMAL PRACTICE) (MVS)**

School of Veterinary and Life Sciences

*Master of Veterinary Studies (MVS)*

Course Codes: M1022

Duration: 2 to 4 years (part-time recommended)

**Availability:**

- Not currently available to new admissions
- This course is not available on campus and so is not available to international students studying in Australia on a student visa; however, graduate students who have successfully completed the Postgraduate Certificate in Small Animal Practice (International) (C1087) are eligible to apply for external study only.

*Restriction: All graduate courses are subject to restriction.*

This course is designed for veterinarians in small animal practice to develop further their skills in a number of discipline areas relevant to small animal clinical practice and provides instruction on the new diagnostic techniques and therapeutic modalities. Evidence-Based Clinical Practice and Case Reports are core units; with electives in Clinical Pathology(1-2), Dermatology, Medicine (1-3), Infectious and Parasitic Diseases, Research Methodology, Epidemiological Studies, Advanced Surgical Techniques, Advanced Veterinary Anaesthesia and Analgesia, Advanced Diagnostic Imaging and Veterinary Practice Management.

**Admission Requirements (Onshore):**

Current registration as a veterinary surgeon in Australia, or recognised qualifications that would permit registration as a Veterinary Surgeon in Australia. Clinical Practice experience (Recognised Prior Learning) of at least one year in the workplace if applying to enter directly into the Master of Veterinary Studies (Small Animal Practice).

Applicants with a Graduate Certificate in Veterinary Studies in Small Animal Practice (International) (AQF Level 8) are required to have achieved a GPA of at least 60 percent in that degree course.

Active engagement in small animal practice.

English competence.

**Employment Prospects:**

Veterinary careers in referral practices. This MVS degree provides appropriate preparation for Membership of the Australian and New Zealand College of Veterinary Scientists and for Residency training programs in Australia.

**Professional Recognition:**

The Australian Veterinary Association recognises veterinary graduate study as fulfilling requirements toward required professional development (continuing veterinary education).

**Course Structure - 24 credit points****Core Units - 6 credit points**

VET622 Case Reports - 3 points

VET694 Evidence-Based Clinical Practice - 3 points

**Specified Electives - 18 credit points**

Select from the following:

VET621 Clinical Pathology 1 - 3 points

VET625 Medicine 1 - 3 points

VET626 Medicine 2 - 3 points

VET609 Medicine 3 - 3 points

VET628 Dermatology - 3 points

VET629 Infectious and Parasitic Diseases - 3 points

VET631 Wildlife Medicine - 3 points

VET666 Research Methodology - 3 points

VET647 Advanced Surgical Techniques - 3 points

VET648 Clinical Pathology 2 - 3 points

VET660 Advanced Anaesthesia and Critical Care - 3 points

VET671 Advanced Diagnostic Imaging - 3 points

VET672 Veterinary Practice Management - 3 points

**Main Research Areas:**

Epidemiology of infectious and non-infectious disease.

**Course Structure - 24 credit points****Core Units - 24 credit points**

VET641 Principles of Epidemiology - 3 points

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

VET642 Practical Applications of Epidemiology - 3 points

MURDOCH: S1-internal, S1-external

VET640 Infectious and Emerging Diseases - 3 points

MURDOCH: S2-internal, S2-external

VET699 Epidemiological Studies: Design and Analysis - 3 points

MURDOCH: S1-internal, S1-external

VET649 Veterinary Studies Masters Research Dissertation - 12 points

MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

**DOCTOR OF VETERINARY MEDICAL SCIENCE (DVETMEDSC)**

School of Veterinary and Life Sciences

Doctor of Veterinary Medical Science (DVetMedSc)

Course Codes: D1061

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

Restriction: All graduate courses are subject to restriction.

This course provides an advanced level of study in veterinary science at a high degree of specialisation in a selected area of study. For the clinical student the course provides an advanced academic preparation in both clinical training and applied research (which may be suitable to support speciality board certification). For the non-clinical student, the degree provides the opportunity for advanced study in analytical and research skills in veterinary science. Both programs culminate the experience with the completion of a research thesis.

**Admission Requirements (Onshore):**

To be eligible for admission as a candidate for a Doctor of Veterinary Medical Science, an applicant must have: Bachelor Degree with at least a 2A Honours normally in the same discipline (AQF level 8); or a Masters Degree normally in the same discipline (AQF level 9) and satisfy the Graduate Research Manager with evidence of substantive and significant scholarly or professional attainments; or a Bachelor Degree normally in the same discipline (AQF level 7) and satisfy the Graduate Research Manager with evidence of substantive and significant scholarly or professional attainments including satisfactory research preparation the equivalent of AQF level 8 or 9.

English competence.

**Employment Prospects:**

Careers in a range of veterinary science fields including research, clinical and academic fields.

**Main Research Areas:**

Veterinary Science

**Course Structure - 72 credit points****Core Units - 48 credit points**

VET770 Doctor of Veterinary Medical Science Thesis - 48 points

**MASTER OF VETERINARY STUDIES (VETERINARY SURVEILLANCE) (MVS)**

School of Veterinary and Life Sciences

Master of Veterinary Studies (MVS)

Course Codes: M1121

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

Restriction: All graduate courses are subject to restriction.

This degree will provide veterinarians with knowledge and expertise in epidemiology and in particular skills in disease surveillance and monitoring and risk assessment. They will develop the skills necessary for effective disease surveillance and implementation of disease control strategies. The degree will provide instruction on the diagnosis, detection and control of new, emerging and re-emerging diseases.

**Admission Requirements (Onshore):**

Recognised Bachelor of Veterinary Medicine and Surgery (BVMS) with at least one year of experience in the work place. Direct entry for graduates with a higher level (DVM) veterinary degree.

English competence.

**Employment Prospects:**

This degree will enhance employment opportunities for veterinarians working in Australia and overseas by allowing specialisation in the latest methods to develop and evaluate disease control programs in production animals.

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

### Specified Electives - 24 credit points

Select from the following:

VET609 Medicine 3 - 3 points

Not available this year

VET621 Clinical Pathology 1 - 3 points

MURDOCH: S2-external (quota of 25 places)

VET625 Medicine 1 - 3 points

MURDOCH: S1-external (quota of 30 places)

VET626 Medicine 2 - 3 points

MURDOCH: S2-external (quota of 30 places)

VET628 Dermatology - 3 points

Not available this year

VET629 Infectious and Parasitic Diseases - 3 points

MURDOCH: S2-external (quota of 30 places)

VET630 Conservation Medicine - 3 points

MURDOCH: S2-internal, S2-external

VET631 Wildlife Medicine - 3 points

MURDOCH: S1-internal, S1-external

VET639 Veterinary Studies Masters Project - 3 points

MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

VET6391 Veterinary Studies Masters Project - 6 points

MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

VET640 Infectious and Emerging Diseases - 3 points

MURDOCH: S2-internal, S2-external

VET641 Principles of Epidemiology - 3 points

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

VET642 Practical Applications of Epidemiology - 3 points

MURDOCH: S1-internal, S1-external

VET647 Advanced Surgical Techniques - 3 points

Not available this year

VET648 Clinical Pathology 2 - 3 points

Not available this year

VET649 Veterinary Studies Masters Research Dissertation - 12 points

MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

VET660 Advanced Anaesthesia and Critical Care - 3 points

MURDOCH: S1-external (quota of 30 places)

VET664 Wildlife Comparative Pathology Project - 3 points

MURDOCH: S2-internal, S2-external

VET666 Research Methodology - 3 points

Not available this year

VET671 Advanced Diagnostic Imaging - 3 points

Not available this year

VET672 Veterinary Practice Management - 3 points

Not available this year

VET678 Veterinary Case Management Rounds - 3 points

MURDOCH: H-internal, Y-internal

VET679 Seminars in Veterinary Clinical Studies - 3 points

MURDOCH: H-internal, Y-internal

VET694 Evidence-Based Clinical Practice - 3 points

MURDOCH: S1-external (quota of 30 places)

VET699 Epidemiological Studies: Design and Analysis - 3 points

MURDOCH: S1-internal, S1-external

## WEB COMMUNICATION

### GRADUATE DIPLOMA IN WEB COMMUNICATION (GRADDIPWEBCOMM)

School of Arts

Graduate Diploma in Web Communication (GradDipWebComm)

Course Codes: G1071

Duration: 1 year full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)

Restriction: All graduate courses are subject to restriction.

This course is an innovative qualification for professionals who need the theoretical knowledge and technical skills in social media tactics and technologies, search engine optimisation, web content, web analytics and online communications strategies. The course will cover the full spectrum of web communications in business, social, political, and organisational spheres and provide students with the technical skills to maximise opportunities in this new landscape.

#### Admission Requirements (Onshore):

Recognised Bachelor's degree in any field, or equivalent training, or satisfactory preparation for the course through previous study or professional experience.

English competence.

#### Employment Prospects:

Web communications specialist; online PR and marketing consultant; SEO strategist; digital-content strategist; e-commerce specialist; digital producer; e-marketer; web studio account manager; social media strategist; web metrics analyst.

### Course Structure - 24 credit points

#### Core Units - 24 credit points

MCM501 Critical and Ethical Issues in Communication - 3 points  
MURDOCH: S1-internal

MCM502 Web Strategy - 3 points  
MURDOCH: S1-internal

MCM681 Communication Management: Strategy and Leadership - 6 points  
MURDOCH: S1-internal

WEB564 Web Analytics - 3 points  
MURDOCH: S2-internal

WEB565 Web Planning - 3 points  
MURDOCH: S2-internal

WEB566 Social Media Analysis - 3 points  
MURDOCH: S2-internal

WEB567 Advanced Web Communication Project - 3 points  
MURDOCH: S2-internal

## WILDLIFE HEALTH AND CONSERVATION

### MASTER OF WILDLIFE HEALTH AND CONSERVATION (MWILDLIFEHTH)

School of Veterinary and Life Sciences

Master of Wildlife Health and Conservation (MWildlifeHth)

Course Codes: M1232

Duration: 2 semesters full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

*Restriction: All graduate courses are subject to restriction.*

The Master of Wildlife Health and Conservation aims to provide graduates of biology, ecology, and environmental science with applied training in veterinary aspects of wildlife health that can be incorporated into conservation and global health programs, including practical and theoretical research skills required to work in this arena such as Disease Risk Analysis, disease surveillance methods and techniques, and pathology of wildlife. A primary focus of the program is to develop an understanding of where wildlife health sits in the broader field of One Health (the intersection of human, animal and environmental health), so that graduates can confidently apply their knowledge to work in the transdisciplinary environment that is required for contemporary conservation research.

**Admission Requirements (Onshore):**

Completion of the Graduate Certificate or Graduate Diploma in Environmental Science or in Plant Biosecurity or an equivalent AQF Level 8 qualification, including honours, in the biological, ecological, environmental or animal sciences. Students with a Bachelor's degree in the biological, ecological, environmental or animal sciences with at least three years of relevant work experience are also eligible for admission as determined by the Academic Chair.

Students demonstrating English competence via IELTS need an overall score of 6.5 with no individual band less than 6.0, or equivalent proficiency test. Students who undertake English for Academic Purposes (EAP) will still be required to sit a proficiency test.

**Special Requirements:**

Some units may be delivered in intensive mode.

**Employment Prospects:**

This course will provide graduates with a broad range of career opportunities delivering expertise in wildlife health and disease as it applies to conservation outcomes. These include organisations involved in species conservation/recovery and translocation/reintroduction programs, such as conservation NGOs, government conservation/wildlife departments, zoos, and other not-for-profit wildlife agencies.

**Main Research Areas:**

Epidemiology and disease ecology, conservation biology, wildlife health and pathology.

**Course Structure - 24 credit points****Core Units - 15 credit points**

VET603 One Health for Biodiversity Conservation - 3 points  
MURDOCH: S1-internal, S1-external

VLS683 Advanced Research Methods for Scientists - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

VET604 Principles of Wildlife Health - 3 points  
MURDOCH: S1-internal, S1-external

VET605 Principles of Wildlife Comparative Pathology - 3 points  
MURDOCH: S2-internal, S2-external

VET606 Principles of Wildlife Epidemiology and Disease Risk Analysis - 3 points  
MURDOCH: S2-internal, S2-external

**Specified Electives - 9 credit points**

Select from the following:

VLS6292 Life Sciences Masters Research Dissertation - 9 points

MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

VLS6903 Life Sciences Masters Project - 9 points

MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external



# Teaching Periods

Each unit may be available in one or more teaching periods. Some periods may colloquially be referred to as 'Summer' (periods beginning with 'SUM', for example) or 'Winter' (periods beginning with W, for example), or other groupings.

A full list of teaching periods at the time of printing is below. Standard teaching periods are highlighted.

Code	Start Date	Census Date	End Date	Code	Start Date	Census Date	End Date
ASP2	24/11/2014	17/1/2015	7/8/2015	TJP	16/1/2015	22/1/2015	16/2/2015
AU10	16/3/2015	24/3/2015	24/4/2015	TJQ	20/2/2015	26/2/2015	23/3/2015
AU11	11/5/2015	19/5/2015	19/6/2015	TJR	27/3/2015	2/4/2015	27/4/2015
AU2	13/4/2015	9/5/2015	26/6/2015	TJS	30/3/2015	5/4/2015	27/4/2015
AW4	25/5/2015	6/6/2015	10/7/2015	TMA	11/5/2015	6/6/2015	16/8/2015
DE2	27/7/2015	22/8/2015	4/12/2015	TMB	11/5/2015	6/6/2015	16/8/2015
DE7	13/7/2015	22/8/2015	4/12/2015	TMD	10/5/2015	5/6/2015	16/8/2015
<b>H</b>	<b>27/7/2015</b>	<b>3/10/2015</b>	<b>24/6/2016</b>	TMP	1/5/2015	7/5/2015	1/6/2015
OUA1	2/3/2015	23/3/2015	12/6/2015	TMQ	5/6/2015	11/6/2015	6/7/2015
OUA2	1/6/2015	22/6/2015	11/9/2015	TMR	10/7/2015	16/7/2015	11/8/2015
OUA3	31/8/2015	21/9/2015	11/12/2015	TSA	7/9/2015	3/10/2015	13/12/2015
OUA4	30/11/2015	21/12/2015	11/3/2016	TSB	7/9/2015	3/10/2015	13/12/2015
R1	1/1/2015	7/2/2015	30/6/2015	TSD	6/9/2015	2/10/2015	13/12/2015
R2	1/7/2015	8/8/2015	31/12/2015	TSP	14/8/2015	20/8/2015	14/9/2015
RAU	7/2/2015	13/6/2015	30/6/2015	TSQ	18/9/2015	24/9/2015	19/10/2015
RSP	8/8/2015	12/12/2015	31/12/2015	TSR	23/10/2015	29/10/2015	23/11/2015
<b>S1</b>	<b>2/3/2015</b>	<b>28/3/2015</b>	<b>26/6/2015</b>	TSS	27/11/2015	3/12/2015	28/12/2015
S1D	29/12/2014	30/1/2015	5/6/2015	UA1	2/2/2015	10/2/2015	13/3/2015
S1F	16/3/2015	11/4/2015	26/6/2015	UA5	19/1/2015	25/1/2015	20/2/2015
S1L	19/1/2015	21/2/2015	12/6/2015	UA6	26/1/2015	3/2/2015	6/3/2015
S1N	9/2/2015	6/3/2015	29/5/2015	<b>W</b>	<b>29/6/2015</b>	<b>4/7/2015</b>	<b>24/7/2015</b>
S1U	2/3/2015	28/3/2015	26/6/2015	W1	15/6/2015	22/6/2015	11/7/2015
<b>S2</b>	<b>27/7/2015</b>	<b>22/8/2015</b>	<b>20/11/2015</b>	W2	22/6/2015	28/6/2015	24/7/2015
S2G	1/6/2015	4/7/2015	30/10/2015	W4	8/6/2015	16/6/2015	17/7/2015
S2K	10/8/2015	5/9/2015	20/11/2015	W6	15/6/2015	23/6/2015	24/7/2015
S2N	27/7/2015	21/8/2015	13/11/2015	WU3	8/6/2015	25/7/2015	29/1/2016
S2U	27/7/2015	22/8/2015	20/11/2015	<b>Y</b>	<b>2/3/2015</b>	<b>25/4/2015</b>	<b>20/11/2015</b>
SA1	2/3/2015	1/4/2015	26/6/2015	Y1	5/1/2015	14/3/2015	20/11/2015
SA2	27/7/2015	1/9/2015	20/11/2015	Y2	26/1/2015	28/3/2015	20/11/2015
SB1	1/1/2015	5/1/2015	23/1/2015	Y3	2/2/2015	4/4/2015	20/11/2015
SB6	1/1/2015	12/1/2015	20/2/2015	Y4	2/2/2015	28/3/2015	25/9/2015
SB7	19/1/2015	24/1/2015	13/2/2015	YM	23/2/2015	18/4/2015	20/11/2015
SB8	5/1/2015	11/1/2015	6/2/2015				
SC1	1/1/2015	7/2/2015	30/6/2015				
SC2	1/7/2015	8/8/2015	31/12/2015				
SP1	31/8/2015	6/9/2015	2/10/2015				
SP17	21/9/2015	3/10/2015	20/11/2015				
SP18	24/8/2015	30/8/2015	25/9/2015				
SP2	27/7/2015	8/8/2015	18/9/2015				
SP21	22/6/2015	7/7/2015	14/8/2015				
SP22	20/7/2015	25/7/2015	14/8/2015				
SP23	6/7/2015	15/7/2015	21/8/2015				
SP3	29/6/2015	6/7/2015	3/8/2015				
SP8	15/6/2015	28/6/2015	21/8/2015				
SP9	12/10/2015	18/10/2015	13/11/2015				
SPA1	16/11/2015	5/12/2015	19/2/2016				
SS2	30/11/2015	12/12/2015	29/1/2016				
ST1	18/1/2015	2/2/2015	2/4/2015				
ST2	1/4/2015	20/4/2015	3/7/2015				
ST3	3/7/2015	20/7/2015	25/9/2015				
ST4	25/9/2015	12/10/2015	17/12/2015				
<b>SUM</b>	<b>17/11/2014</b>	<b>30/11/2014</b>	<b>23/1/2015</b>				
SUM1	24/11/2014	6/12/2014	16/1/2015				
SUM3	8/12/2014	20/12/2014	23/1/2015				
<b>T1</b>	<b>5/1/2015</b>	<b>31/1/2015</b>	<b>10/4/2015</b>				
<b>T2</b>	<b>27/4/2015</b>	<b>23/5/2015</b>	<b>31/7/2015</b>				
<b>T3</b>	<b>17/8/2015</b>	<b>12/9/2015</b>	<b>20/11/2015</b>				
TJA	5/1/2015	31/1/2015	19/4/2015				
TJB	5/1/2015	31/1/2015	19/4/2015				
TJD	11/1/2015	6/2/2015	19/4/2015				

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# Units

Units are offered at Murdoch campus, Peel Education and TAFE campus and Rockingham campus, plus other locations through partnerships with tertiary education providers including selected Australian universities and overseas institutions. Units on offer this year are listed and described in this section of the Handbook.

## Cancellation of Units

The University reserves the right to cancel, without notice, any course, major, minor or unit if the number of students enrolled falls below limits set by the University or in other unforeseen circumstances.

Animal Science		Points
Animal Industry Experience (ANS337)	Not available this year	3
Animal Industry Experience (ANS357)	MURDOCH: S2-internal	0
Animal Microbiology (ANS351)	MURDOCH: S2-internal	4
Animal Nutrition and Toxicology (ANS354)	MURDOCH: S1-internal	4
Animal Parasitology (ANS356)	MURDOCH: S2-internal	4
Animal Production Systems II (ANS230)	MURDOCH: S1-internal	3
Animal Production Systems III (ANS333)	Not available this year	3
Animal Production Systems III (ANS353)	MURDOCH: S1-internal	4
Animal Production Systems IV (ANS358)	MURDOCH: Y-internal	4
Animal Science Research (ANS450)	MURDOCH: Y-internal	16
Animal Structure and Function (ANS221)	MURDOCH: S2-internal	3
Applied Animal Agriculture (ANS359)	MURDOCH: S1-internal, S2-internal, Y-internal	4
Applied Animal Agriculture (ANS363)	Not available this year	3
Applied Animal Breeding (ANS3591)	MURDOCH: S1-internal, S2-internal, Y-internal	4
Applied Animal Breeding (ANS364)	Not available this year	3
Equine Nutrition and Health (ANS366)	MURDOCH: S2-internal	3
Equine Physiology and Behaviour (ANS365)	MURDOCH: S1-internal	3
Introduction to Livestock Science (ANS101)	MURDOCH: S2-internal (quota of 150 places), UA6-internal (quota of 40 places)	3
Introduction to the Animal Body (ANS102)	MURDOCH: S1-internal	3
Pathology and Disease of Production Animals (ANS350)	MURDOCH: S1-internal (quota of 50 places)	4

Asian Studies		Points
Anthropology and Its Others (AST612)	Not available this year	3
Anthropology, Society and Culture (AST212)	MURDOCH: S1-internal, S1-external	4
Anthropology, Society and Culture (AST312)	Not available this year	3
Asian Centuries (AST102)	MURDOCH: S1-internal, S1-external	3
Asian Studies Dissertation (AST634)	MURDOCH: H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	12
Asian Studies Project (AST384)	Not available this year	3
Asian Studies Project (AST632)	MURDOCH: H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	6
China Today (AST585)	Not available this year	3
Contemporary Asia (AST281)	MURDOCH: S1-internal, S1-external	3
Culture and Religion in Asia (AST252)	Not available this year	4
Culture and Religion in Asia (AST352)	Not available this year	3
Culture, Communities and Sustainability in Asia (AST650)	MURDOCH: S1-internal, S1-external	3
Gender in Asian Societies (AST558)	MURDOCH: S2-internal, S2-external	3
Honours Thesis in Asian Studies (AST569)	MURDOCH: S1-internal, S2-internal, Y-internal	12
Honours Topic in Asian Studies A (AST561)	MURDOCH: S1-internal, S2-internal, Y-internal	3
Honours Topic in Asian Studies B (AST562)	MURDOCH: S1-internal, S2-internal, Y-internal	3
Modern China (AST283)	Not available this year	3
Nations, Narratives, Cultures in Contemporary Asia (AST530)	MURDOCH: S2-internal, S2-external	3

People's History of South-East Asia (AST286)	Not available this year	3
Perceptions of South-East Asian Society (AST556)	Not available this year	3
Rise of Asia and Modern History (AST531)	Not available this year	3
Society, Culture and Ecology in Asia (AST250)	MURDOCH: S1-internal, S1-external	4
Society, Culture and Ecology in Asia (AST350)	Not available this year	3
Special Topics in Asian Studies (AST253)	Topic not currently available	3
Women in Asian Societies (AST288)	MURDOCH: S2-internal, S2-external	3

### Australian Indigenous Studies

### Points

Australian Indigenous Politics: Historical Contexts and Contemporary Issues (AIS204)	MURDOCH: S1-internal, S1-external	3
Country, Nature and Identity: Indigenous Sustainability (AIS301)	MURDOCH: S1-internal, S1-external	4
Country, Nature and Identity: Indigenous Sustainability (AIS306)	Not available this year	3
Honours Thesis in Australian Indigenous Studies (AIS569)	MURDOCH: S1-internal, S2-internal, Y-internal	12
Honours Topic in Australian Indigenous Studies A (AIS561)	MURDOCH: S1-internal, S2-internal, Y-internal	3
Honours Topic in Australian Indigenous Studies B (AIS562)	MURDOCH: S1-internal, S2-internal, Y-internal	3
Indigeneity, Critical Theory and Social Justice (AIS303)	MURDOCH: S2-internal, S2-external	4
Indigeneity, Critical Theory and Social Justice (AIS307)	Not available this year	3
Indigenous Spirituality and Well-Being (AIS241)	Not available this year	3
Introduction to Australian Indigenous Studies (AIS180)	MURDOCH: S1-internal, S1-external	3
Introduction to Indigenous Popular Culture (AIS110)	MURDOCH: S2-internal, S2-external	3
Master of Arts by Coursework Dissertation (AIS650)	MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	12
Our Mob: Indigenous Community Engagement (AIS234)	MURDOCH: S1-internal, S1-external	3
Reading Reconciliation (AIS355)	MURDOCH: S2-internal, S2-external	4
Reading Reconciliation (AIS356)	Not available this year	3
Special Topics in Australian Indigenous Studies (AIS250)	Topic not currently available	4
Special Topics in Australian Indigenous Studies (AIS530)	Topic not currently available	3
Working with Indigenous Communities: Internship (AIS308)	MURDOCH: S1-internal, S2-internal	3

### Bachelor of Arts

### Points

Academic Learning Skills (BAR100)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	3
Bachelor of Arts Research Skills Unit (BAR300)	Not available this year	3
Developing Research Skills and Methods (BAR200)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	3
Ideas and Identity (BAR150)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	3

### Bachelor of Business

### Points

Academic Skills for Business (BBS100)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	3
Business Research: An Integrated Approach (BBS200)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	3
Business Research: Integrated and Mixed Methods (BBS301)	Not available this year	3
Empirical Research Methods for Business (BBS300)	Not available this year	3
Transforming Business (BBS150)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	3

### Bachelor of Education

### Points

Assessment and Action Research (BED200)	MURDOCH: S2-internal, S2-external	3
Ideas in Education (BED100)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	3
Schooling and Society - Research Skills (BED300)	Not available this year	3

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Understanding Teachers' Work (BED150)	MURDOCH: S2-internal, S2-external	3
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**Bachelor of Engineering Honours****Points**

Advanced Engineering Research Skills (BEN300)	Not available this year	3
Design Concepts in Engineering (BEN150)	MURDOCH: S1-internal	3
Scientific Method in Engineering (BEN200)	MURDOCH: S1-internal	3
Transitioning into Engineering (BEN100)	MURDOCH: S1-internal, S2-internal	3

**Bachelor of Laws****Points**

Australian Legal System (BJU100)	MURDOCH: S1-internal, S2-internal	3
Law in Context (BJU150)	MURDOCH: S1-internal	3
Legal Theory and Research (BJU300)	Not available this year	3
Researching Legal Remedies (BJU200)	MURDOCH: S2-internal	3

**Bachelor of Nursing****Points**

Transition to Nursing Studies (BNR100)	MURDOCH: S2N-internal PEEL: S1N-internal, S2N-internal	3
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**Bachelor of Science****Points**

Applied Research Skills in ICT (BSC301)	Not available this year	3
Bachelor of Science Research Skills Unit (BSC300)	Not available this year	3
Building Blocks for Science Students (BSC100)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	3
Introduction to ICT Research Methods (BSC203)	MURDOCH: S1-internal, S1-external	3
Introduction to Research Methodology and Evidence Based Practice (BSC206)	MURDOCH: S2-internal	3
Psychology: Measurement, Design and Analysis (BSC201)	MURDOCH: S1-internal	3
Research in the Physical and Life Sciences (BSC200)	MURDOCH: S1-internal, S1-external	3
What is Science? (BSC150)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	3

**Biological Sciences and Biotechnology****Points**

Animal Diversity (BIO244)	MURDOCH: S2-internal	3
Biochemistry I (BIO247)	MURDOCH: S2-internal	3
Biochemistry II (BIO371)	MURDOCH: S2-internal	4
Biodiversity (BIO257)	MURDOCH: S2-internal	3
Biosecurity Policy Framework Obligations (BIO539)	MURDOCH: S2-external	3
Biosecurity Threats and Invasions (BIO639)	MURDOCH: S1-internal, S1-external	3
Bodies of Evidence (BIO315)	Not available this year	3
Case Studies in Forensic Biology (BIO388)	MURDOCH: W-internal	3
Challenges in Food Security (BIO681)	MURDOCH: S2-internal	3
Conservation Biology (BIO368)	MURDOCH: S1-internal	4
Conservation Biology (BIO375)	Not available this year	3
Crime Scene Investigation I (BIO596)	MURDOCH: S2-internal	3
Evolutionary Biology (BIO379)	Not available this year	3
Fingerprinting and Impression Evidence (BIO598)	MURDOCH: S2-internal	3
Forensic DNA Analysis (BIO313)	MURDOCH: S1-internal	4
Forensic DNA Analysis (BIO359)	Not available this year	3
Forensic Toxicology (BIO314)	MURDOCH: S2-internal	4
Forensic Toxicology (BIO367)	Not available this year	3
Foundations of Cell and Molecular Biology (BIO152)	MURDOCH: S2-internal	3
Genetic Engineering (BIO394)	Not available this year	3
Genetics and Evolution (BIO356)	Not available this year	3
Genetics and Evolution (BIO372)	MURDOCH: S2-internal	4

Homicide and Death Investigation (BIO597)	MURDOCH: S2-internal	3
Human DNA Profiling (BIO599)	MURDOCH: S2-internal	3
Immunology, Vaccines and Cell Culture (BIO243)	MURDOCH: S2-internal	3
Industrial Bioprocessing and Bioremediation (BIO301)	MURDOCH: S2-internal	4
Industrial Bioprocessing and Bioremediation (BIO358)	Not available this year	3
Introduction to Environmental Biology (BIO103)	MURDOCH: S1-internal, S1-external	3
Introduction to Marine Biology (BIO180)	MURDOCH: S1-internal	3
Marine and Estuarine Biology (BIO384)	MURDOCH: S1-internal	4
Marine Botany (BIO254)	MURDOCH: S1-internal	3
Marine Ecology (BIO377)	Not available this year	3
Microbiology I (BIO246)	MURDOCH: S1-internal	3
Microbiology II (BIO364)	MURDOCH: S1-internal	4
Molecular Biology (BIO282)	MURDOCH: S1-internal	3
Molecular Genetics (BIO316)	MURDOCH: S1-internal	4
Plant Biosecurity in Practice (BIO538)	MURDOCH: S1-external	3
Plant Biosecurity: Detection and Diagnostics (BIO537)	MURDOCH: S1-external	3
Plant Biotechnology and Proteomics (BIO253)	MURDOCH: S1-internal	4
Plant Biotechnology and Proteomics (BIO355)	Not available this year	3
Plant Diversity (BIO245)	MURDOCH: S1-internal	3
Professional Experience Program (Crime Scene Investigation) (BIO327)	Not available this year	4
Special Topics in Biological Sciences and Biotechnology (BIO280)	Topic not currently available	3
Sustainable Management of Fish and Wildlife (BIO249)	MURDOCH: S1-internal	3
Systems Biology and Bioinformatics (BIO378)	Not available this year	3
Tropical Marine Biology (BIO383)	MURDOCH: W-internal (quota of 40 places)	4
Tropical Marine Biology (BIO393)	Not available this year	3
Wildlife Biology (BIO317)	MURDOCH: S2-internal	4
Wildlife Biology (BIO376)	Not available this year	3

**Biomedical Science****Points**

Advances in Medical Science (BMS315)	Not available this year	3
Advances in Medical Science (BMS368)	MURDOCH: S2-internal	4
Biomedical Physiology (BMS206)	MURDOCH: S1-internal	3
Essentials of Pharmacology and Chemotherapy (BMS317)	Not available this year	3
Essentials of Pharmacology and Chemotherapy (BMS365)	MURDOCH: S1-internal	4
Forensic Anatomy and Anthropology (BMS213)	MURDOCH: S1-internal	3
Foundations of Vertebrate Form and Function (BMS107)	MURDOCH: S2-internal	3
Haematology (BMS218)	Not available this year	3
Human Molecular Genetics (BMS219)	Not available this year	3
Introduction to the Human Body (BMS101)	MURDOCH: S1-internal	3
Mechanisms of Disease (BMS314)	Not available this year	3
Mechanisms of Disease (BMS360)	MURDOCH: S1-internal	4
Medical Microbiology (BMS212)	MURDOCH: S1-internal	3
Parasitology (BMS316)	Not available this year	3
Parasitology (BMS364)	MURDOCH: S2-internal	4
Pathophysiology (BMS321)	Not available this year	3

**Breadth Units University-Wide****Points**

Australian and Asian Transformations (BRD204)	MURDOCH: S2-internal, S2-external	3
Carbon and Climate: A Wicked Problem (BRD203)	MURDOCH: S2-internal, S2-external	3
Creativity and Innovation (BRD209)	MURDOCH: S1-internal, S1-external	3
Crime Through the Ages (BRD205)	MURDOCH: S2-internal	3
Dealing with Difference (BRD207)	MURDOCH: S2-internal	3
Drugs in Society (BRD202)	MURDOCH: S2-internal, S2-external	3
Food Matters (BRD201)	MURDOCH: S2-internal, S2-external	3
iHuman (BRD208)	MURDOCH: S1-internal, S1-external	3

Students who have successfully completed a unit may not enrol for credit in any subsequent version of that unit, even if under a different code and/or title, nor in any parallel lower- or higher-level version. Students enrolled in a higher-level version of a unit are required to demonstrate advanced analytical skills and/or use of advanced research tools in assignments modified for that level.

Swan River (BRD211)	MURDOCH: S2-internal, S2-external	3
Transitions to Post Carbon Society (BRD206)	MURDOCH: S2-internal, S2-external	3
University Breadth in Practice Unit (BRD350)	Not available this year	3
Wellbeing (BRD251)	MURDOCH: S1-internal, S1-external	3
World of Sport (BRD210)	MURDOCH: S1-internal, S1-external PEEL: S1-internal, S1-external	3

**Business (Graduate)****Points**

Accounting for Managers (MBS513)	DUBAI-ISC: TMD-internal KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal SGP1: TMQ-internal	4
Accounting for Managers (MBS539)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	3
Accounting for Managers (MBS5392)	MURDOCH: SUM1-internal	3
Accounting Processes (MBS544)	MURDOCH: S1-internal, S2-internal	3
Accounting Processes (MBS553)	KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal	4
Accounting Theory and Governance (MBS633)	KAPLAN-SGP: TJA-internal, TSA-internal	4
Accounting Theory and Governance (MBS679)	MURDOCH: S2-internal	3
Acquisition of Human Resources (MBS511)	DUBAI-ISC: TMD-internal KAPLAN-SGP: TMA-internal	4
Acquisition of Human Resources (MBS688)	MURDOCH: S2-internal, S2-external	3
Advanced Economic Analysis: Honours (MBS545)	MURDOCH: S2-internal	3
Advanced Honours Research Preparation (MBS517)	MURDOCH: S1-internal, S2-internal	3
Advanced Honours Topic A (MBS516)	MURDOCH: S1-internal, S2-internal, Y-internal	3
Advanced Honours Topic B (MBS512)	MURDOCH: S1-internal, S2-internal, Y-internal	3
Advanced Honours Topic in Economics (MBS500)	MURDOCH: S1-internal	3
Auditing (MBS634)	KAPLAN-SGP: TMA-internal	4
Auditing (MBS680)	MURDOCH: S1-internal	3
Business Finance (MBS605)	DUBAI-ISC: TJD-internal, TSD-internal KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal	4
Business Finance (MBS645)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	3
Business, Society and the Environment (MBS530)	MURDOCH: S1-internal, S1-external	3
Business, Society and the Environment (MBS540)	KAPLAN-SGP: TSA-internal	4
Company Law (MBS509)	KAPLAN-SGP: TJA-internal, TSA-internal	4
Contemporary Advances in Economics: Theory and Applications - Honours (MBS597)	MURDOCH: S1-internal	3
Corporate Accounting (MBS632)	KAPLAN-SGP: TMA-internal	4
Corporate Accounting (MBS678)	MURDOCH: S2-internal	3
Cross-Cultural Consumer Behaviour and Neuromarketing (MBS575)	MURDOCH: AU2-internal	3
Decision Neuroscience Neuromarketing (MBS690)	Not available this year	3
Digital Business (MBS667)	MURDOCH: S2-internal, S2-external	3
Dispute Management (MBS618)	KAPLAN-SGP: TMA-internal SGP1: TSQ-internal	4
Doctor of Business Administration Thesis (MBS700)	MURDOCH: S1-internal, S2-internal	12
Economics and Business Strategy (MBS666)	KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal	4
Economics and Business Strategy (MBS686)	MURDOCH: S2-internal, S2-external	3
Economics of Globalisation (MBS531)	DUBAI-ISC: TSD-internal	4
Economics of Globalisation (MBS631)	Not available this year	3
Effective Leadership (MBS671)	DUBAI-ISC: TJD-internal, TSD-internal KAPLAN-SGP: TMA-internal SGP1: TSS-internal	4
Effective Leadership (MBS6712)	MURDOCH: SUM1-internal	3
Effective Leadership (MBS687)	MURDOCH: S1-internal, S1-external	3
Employment Relations and Asia Pacific Contexts (MBS624)	MURDOCH: S2-internal, S2-external	3

Entrepreneurship and Innovation Management (MBS629)	DUBAI-ISC: TMD-internal KAPLAN-SGP: TMA-internal SGP1: TJP-internal	4
Entrepreneurship and Innovation Management (MBS673)	MURDOCH: S1-internal, S1-external	3
Financial Management Decision Making (MBS536)	MURDOCH: S1-internal	3
Food Systems and Agriculture Business (MBS698)	MURDOCH: S2-internal, S2-external	3
Global Media Communication (MBS576)	MURDOCH: SP2-internal	3
Honours Thesis (MBS519)	MURDOCH: S1-internal, S2-internal, Y-internal	12
Honours Thesis in Economics (MBS505)	MURDOCH: S1-internal, S2-internal, Y-internal	12
Human Resource Management Law (MBS501)	DUBAI-ISC: TJD-internal, TSD-internal KAPLAN-SGP: TJA-internal, TSA-internal	4
Human Resource Management Perspectives (MBS555)	MURDOCH: S1-internal, S1-external	3
Human Resource Management Perspectives (MBS617)	DUBAI-ISC: TJD-internal, TSD-internal KAPLAN-SGP: TJA-internal, TSA-internal	4
International Business (MBS630)	DUBAI-ISC: TMD-internal KAPLAN-SGP: TMA-internal SGP1: TJQ-internal	4
International Business (MBS675)	MURDOCH: SP17-internal, SP17-external	3
International Business Negotiations (MBS636)	MURDOCH: SP17-internal, SP17-external	3
International Marketing Management (MBS573)	MURDOCH: AU2-internal	3
Law for Business (MBS502)	DUBAI-ISC: TJD-internal, TSD-internal KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal SGP1: TSR-internal	4
Leading and Managing Nonprofit Organisations (MBS651)	MURDOCH: SP17-internal, SP17-external	3
Management Accounting (MBS627)	KAPLAN-SGP: TJA-internal, TSA-internal	4
Management Accounting (MBS669)	MURDOCH: S1-internal	3
Management and Governance Research Practicum (MBS643)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	6
Management and Governance Research Practicum (MBS649)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	12
Managing Remuneration, Benefits and Motivation (MBS626)	DUBAI-ISC: TMD-internal KAPLAN-SGP: TMA-internal	4
Managing Remuneration, Benefits and Motivation (MBS668)	MURDOCH: S2-internal, S2-external	3
Managing, Evaluating and Developing Human Resources (MBS525)	DUBAI-ISC: TMD-internal KAPLAN-SGP: TMA-internal	4
Managing, Evaluating and Developing Human Resources (MBS535)	MURDOCH: S1-internal, S1-external	3
Organisational Behaviour and Management (MBS508)	DUBAI-ISC: TJD-internal, TSD-internal KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal	4
Organisational Behaviour and Management (MBS5082)	MURDOCH: W-internal	3
Organisational Behaviour and Management (MBS538)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	3
Organisational Change, Management and Consultancy (MBS548)	DUBAI-ISC: TJD-internal, TSD-internal KAPLAN-SGP: TJA-internal, TSA-internal	4
Organisational Change, Management and Consultancy (MBS568)	MURDOCH: S2-internal, S2-external	3
Postgraduate International Study Tour (MBS672)	Not available this year	3
Project Management (MBS641)	DUBAI-ISC: TJD-internal, TSD-internal KAPLAN-SGP: TMA-internal, TSA-internal SGP1: TMR-internal	4
Project Management (MBS6411)	MURDOCH: S1-internal	3
Project Management (MBS685)	MURDOCH: W-internal, W-external	3
Qualitative Organisational Research (MBS619)	MURDOCH: S1-internal, S1-external	3
Quantitative Methods for Business (MBS622)	DUBAI-ISC: TSD-internal KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal	4
Quantitative Research for Business (MBS659)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	3
Research Preparation for Business (MBS520)	MURDOCH: S2-internal, S2-external, SUM-internal (closed)	3

Risk Management (MBS572)	DUBAI-ISC: TJD-internal, TSD-internal KAPLAN-SGP: TJA-internal, TSA-internal	4
Risk Management (MBS689)	Not available this year	3
Special Topics in Business (MBS699)	Topic not currently available	3
Strategic Decision-Making (MBS606)	DUBAI-ISC: TJD-internal, TSD-internal KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal SGP1: TSP-internal	4
Strategic Decision-Making (MBS647)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	3
Strategic Marketing Management (MBS507)	DUBAI-ISC: TMD-internal KAPLAN-SGP: TJA-internal, TSA-internal SGP1: TMP-internal	4
Strategic Marketing Management (MBS5072)	MURDOCH: W-internal	3
Strategic Marketing Management (MBS537)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	3
Strategic Research in International Markets (MBS574)	MURDOCH: SP2-internal	3
Supply Chain Management and Logistics (MBS558)	SGP1: TJR-internal	4
Supply Chain Management and Logistics (MBS658)	MURDOCH: S2-internal, S2-external	3
Taxation (MBS514)	KAPLAN-SGP: TMA-internal	4
Taxation (MBS614)	MURDOCH: S2-internal	3

### Business (Undergraduate)

### Points

Accounting Theory and Accountability (BUS304)	Not available this year	3
Accounting Theory and Accountability (BUS310)	MURDOCH: S2-internal, S2-external KAPLAN-SGP: TMA-internal SGP1: TMB-internal	4
Advanced Human Resource Perspectives (BUS320)	MURDOCH: S1-internal, S1-external KAPLAN-SGP: TMA-internal KDUPJ: S1U-internal SGP1: TMB-internal	4
Advanced Human Resource Perspectives (BUS340)	Not available this year	3
Applied Entrepreneurship and Innovation (BUS331)	MURDOCH: S2-internal, S2-external	4
Auditing (BUS306)	Not available this year	3
Auditing (BUS312)	MURDOCH: S2-internal, S2-external KAPLAN-SGP: TMA-internal SGP1: TMB-internal	4
Business Negotiations in International Perspective (BUS341)	Not available this year	3
Changing Economies of Asia (BUS272)	MURDOCH: S1-internal, S1-external KAPLAN-SGP: TMA-internal	4
Chinese Business (BUS243)	KAPLAN-SGP: TMA-internal	4
Chinese Business Negotiations (BUS346)	MURDOCH: S2-internal, S2-external	4
Commercial Banking (BUS307)	Not available this year	3
Commercial Banking (BUS326)	MURDOCH: S2-internal, S2-external KAPLAN-SGP: TMA-internal SGP1: TMB-internal	4
Company Law (BUS328)	KAPLAN-SGP: TMA-internal SGP1: TMB-internal	4
Comparative Corporate Governance and International Operations (BUS284)	MURDOCH: S1-internal, S1-external	3
Consumer Behaviour (BUS273)	DUBAI-ISC: TMD-internal KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal SGP1: TMB-internal	4
Consumer Behaviour (BUS299)	MURDOCH: S2-internal, S2-external	3
Contemporary Financial Accounting (BUS256)	MURDOCH: S1-internal, S1-external KAPLAN-SGP: TJA-internal, TSA-internal SGP1: TJB-internal, TSB-internal	4
Contemporary Financial Accounting (BUS356)	Not available this year	3



Corporate Finance (BUS224)	DUBAI-ISC: TMD-internal KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal SGP1: TJB-internal, TSB-internal	4
Corporate Finance (BUS286)	MURDOCH: S2-internal, S2-external	3
Credit and Lending Decisions (BUS308)	Not available this year	3
Credit and Lending Decisions (BUS337)	MURDOCH: S1-internal, S1-external KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal SGP1: TJB-internal, TSB-internal	4
Derivative Securities (BUS325)	MURDOCH: S2-internal, S2-external DUBAI-ISC: TJD-internal, TSD-internal KAPLAN-SGP: TJA-internal, TSA-internal SGP1: TJB-internal, TSB-internal	4
Derivative Securities (BUS333)	Not available this year	3
Digital Business (BUS305)	MURDOCH: S1-internal, S1-external SGP1: TJB-internal, TSB-internal	4
Econometrics (BUS292)	MURDOCH: S2-internal, S2-external	3
Economics in Society (BUS162)	MURDOCH: S2-internal, S2-external	3
Employment Relations (BUS222)	MURDOCH: S1-internal, S1-external	4
Employment Relations (BUS332)	Not available this year	3
Employment Relations in Asia (BUS251)	KAPLAN-SGP: TMA-internal SGP1: TMB-internal	4
Finance Law (BUS206)	DUBAI-ISC: TJD-internal, TSD-internal KAPLAN-SGP: TJA-internal, TSA-internal SGP1: TJB-internal, TSB-internal	4
Foundational Mathematics for Business (BUS130)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	3
Foundations of Accounting (BUS170)	MURDOCH: S2-internal, S2-external	3
Foundations of Economics (BUS171)	MURDOCH: S1-external, S2-internal, S2-external	3
Foundations of Management and Governance (BUS176)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	3
Foundations of Marketing (BUS183)	MURDOCH: S2-internal, S2-external	3
Human Resource Economics (BUS301)	Not available this year	3
Human Resource Economics (BUS375)	MURDOCH: S2-internal, S2-external KAPLAN-SGP: TJA-internal, TSA-internal SGP1: TJB-internal, TSB-internal	4
Integrated Marketing Communications (BUS302)	Not available this year	3
Integrated Marketing Communications (BUS336)	MURDOCH: S1-internal, S1-external DUBAI-ISC: TJD-internal, TSD-internal KAPLAN-SGP: TJA-internal, TSA-internal KDUPJ: S1U-internal SGP1: TJB-internal, TSB-internal	4
International Finance (BUS322)	MURDOCH: S2-internal, S2-external DUBAI-ISC: TJD-internal, TSD-internal KAPLAN-SGP: TJA-internal, TSA-internal SGP1: TJB-internal, TSB-internal	4
International Finance (BUS330)	Not available this year	3
International Financial Markets and Institutions (BUS290)	MURDOCH: S1-internal, S1-external KAPLAN-SGP: TJA-internal, TSA-internal SGP1: TJB-internal, TSB-internal	4
International Financial Markets and Institutions (BUS390)	Not available this year	3
International Management (BUS323)	MURDOCH: S1-internal, S1-external DUBAI-ISC: TMD-internal KAPLAN-SGP: TMA-internal KDUPJ: S1U-internal SGP1: TMB-internal	4
International Management (BUS344)	Not available this year	3

International Marketing (BUS321)	MURDOCH: S2-internal, S2-external DUBAI-ISC: TJD-internal, TSD-internal KAPLAN-SGP: TJA-internal, TSA-internal SGP1: TJB-internal, TSB-internal	4
International Marketing (BUS343)	Not available this year	3
International Study Tour (BUS352)	Not available this year	4
International Trade and Development (BUS309)	Not available this year	3
Introduction to Accounting (BUS160)	DUBAI-ISC: TJD-internal, TSD-internal	3
Introduction to Economics (BUS161)	DUBAI-ISC: TMD-internal	3
Investment Analysis (BUS311)	MURDOCH: S1-internal, S1-external DUBAI-ISC: TMD-internal KAPLAN-SGP: TMA-internal SGP1: TMB-internal	4
Investment Analysis (BUS329)	Not available this year	3
Knowledge and Organisational Learning (BUS378)	MURDOCH: S1-internal, S1-external DUBAI-ISC: TJD-internal, TSD-internal KAPLAN-SGP: TJA-internal, TSA-internal KDUPJ: S1U-internal SGP1: TJB-internal, TSB-internal	4
Knowledge Management (BUS348)	Not available this year	3
Macroeconomics A (BUS260)	KAPLAN-SGP: TMA-internal	4
Macroeconomics A (BUS289)	MURDOCH: S1-internal, S1-external	3
Macroeconomics B (BUS327)	Not available this year	3
Macroeconomics B (BUS360)	MURDOCH: S2-internal, S2-external KAPLAN-SGP: TMA-internal	4
Management Accounting (BUS227)	KAPLAN-SGP: TJA-internal, TSA-internal SGP1: TJB-internal, TSB-internal	4
Management Accounting (BUS287)	MURDOCH: S2-internal, S2-external	3
Marketing and Advertising Law (BUS209)	DUBAI-ISC: TJD-internal, TSD-internal KAPLAN-SGP: TJA-internal, TSA-internal SGP1: TJB-internal, TSB-internal	4
Marketing Research and Analysis (BUS210)	MURDOCH: S2-internal, S2-external	3
Marketing Research and Analysis (BUS235)	DUBAI-ISC: TMD-internal KAPLAN-SGP: TMA-internal SGP1: TMB-internal	4
Microeconomics A (BUS261)	KAPLAN-SGP: TMA-internal	4
Microeconomics A (BUS291)	MURDOCH: S1-internal, S1-external	3
Microeconomics B (BUS318)	Not available this year	3
Microeconomics B (BUS361)	MURDOCH: S2-internal, S2-external KAPLAN-SGP: TMA-internal	4
Organisation Development and Change (BUS298)	MURDOCH: S2-internal, S2-external	3
Organisation Development and Human Resources Management (BUS240)	DUBAI-ISC: TMD-internal KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal SGP1: TMB-internal	4
Organisational Theory and Behaviour (BUS223)	DUBAI-ISC: TJD-internal, TSD-internal KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal SGP1: TJB-internal, TSB-internal	4
Organisational Theory and Behaviour (BUS293)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	3
Principles of Commercial Law (BUS165)	DUBAI-ISC: TJD-internal, TSD-internal	3
Principles of Finance and Banking (BUS140)	DUBAI-ISC: TMD-internal	3
Principles of Human Resources Management (BUS297)	MURDOCH: S1-internal, S1-external	3
Principles of Management (BUS145)	DUBAI-ISC: TJD-internal, TSD-internal	3
Principles of Marketing (BUS169)	DUBAI-ISC: TMD-internal	3
Professional Internship in Business (BUS358)	MURDOCH: S1-internal, SUM-internal	10

Services Marketing (BUS268)	DUBAI-ISC: TMD-internal KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal SGP1: TMB-internal	4
Services Marketing (BUS296)	MURDOCH: S1-internal, S1-external	3
Special Topics in Business (BUS201)	Topic not currently available	3
Special Topics in Business (BUS2011)	Topic not currently available	3
Strategic Management (BUS317)	MURDOCH: S2-internal, S2-external DUBAI-ISC: TJD-internal, TSD-internal KAPLAN-SGP: TJA-internal, TSA-internal SGP1: TJB-internal, TSB-internal	4
Strategic Management (BUS349)	Not available this year	3
Strategic Marketing (BUS350)	Not available this year	3
Strategic Marketing (BUS382)	MURDOCH: S2-internal DUBAI-ISC: TMD-internal KAPLAN-SGP: TMA-internal SGP1: TMB-internal	4
Taxation (BUS303)	Not available this year	3
Taxation (BUS313)	MURDOCH: S1-internal, S1-external KAPLAN-SGP: TJA-internal, TSA-internal KDUPJ: S1U-internal SGP1: TJB-internal, TSB-internal	4
Technology and Accounting Processes (BUS217)	KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal SGP1: TMB-internal	4
Technology and Accounting Processes (BUS285)	MURDOCH: S1-internal, S1-external	3
Tourism and Hospitality Law (BUS207)	KAPLAN-SGP: TJA-internal, TSA-internal SGP1: TJB-internal, TSB-internal	4
Treasury Management (BUS244)	DUBAI-ISC: TJD-internal, TSD-internal KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal SGP1: TJB-internal, TSB-internal	4
Treasury Management (BUS288)	MURDOCH: S1-internal, S1-external	3
Work-Based Learning (BUS267)	MURDOCH: S1-internal (quota of 50 places)	3
Workplace Law (BUS228)	DUBAI-ISC: TJD-internal, TSD-internal KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal SGP1: TJB-internal, TSB-internal	4

<b>Business Law (Graduate)</b>		<b>Points</b>
Corporations and Securities Law (MBL509)	MURDOCH: S1-internal	3
Dispute Management (MBL518)	MURDOCH: S1-internal, S1-external	3
Honours Thesis in Business Law (MBL519)	Not available this year	12
Human Resource Management Law (MBL501)	MURDOCH: S1-internal, S1-external	3
Law for Business (MBL502)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	3
Work Health and Safety Law (MBL623)	MURDOCH: S1-internal, S1-external	3

<b>Business Law (Undergraduate)</b>		<b>Points</b>
Business Law in a Global Context (BSL312)	Not available this year	3
Company Law (BSL305)	Not available this year	3
Company Law (BSL328)	MURDOCH: S2-internal, S2-external	4
Finance Law (BSL201)	MURDOCH: S1-internal, S1-external	3
Foundations of Business Law (BSL165)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	3
Marketing and Advertising Law (BSL203)	MURDOCH: S1-internal, S1-external	3
Technology and the Law (BSL211)	MURDOCH: S2-internal, S2-external	3
Tourism and Hospitality Law (BSL204)	MURDOCH: S1-internal, S1-external	3
Workplace Law (BSL202)	MURDOCH: S2-internal, S2-external	3

<b>Business Law and Law Masters</b>		<b>Points</b>
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Australian Migration Law (LLM502)	MURDOCH: SP22-internal, UA1-internal	3
Australian Visa System (LLM503)	MURDOCH: AU10-internal, SP1-internal	3
Chinese Commercial Law (LLM508)	CHN1: S1D-internal	3
Chinese Contract and Commercial Law (LLM522)	CITYUHK: S1D-internal	6
Chinese Contract Law (LLM507)	CHN1: S1D-internal	3
Chinese Shipping and Trade Law (LLM509)	CHN1: S1D-internal	3
Doing Business In China (LLM506)	Not available this year	3
International Law (LLM601)	MURDOCH: S1-internal	3
Introduction to the Chinese Legal System (LLM517)	CHN1: S1D-internal	3
Legal Practice Placement I (LLM512)	MURDOCH: S1-placement (quota of 10 places), S2-placement (quota of 10 places)	6
Legal Practice Placement II (LLM513)	MURDOCH: S1-placement (quota of 10 places), S2-placement (quota of 10 places)	6
Migration Law in Practice (LLM555)	MURDOCH: AU11-internal, SP17-internal	3
Visa Compliance, Cancellation and Review (LLM504)	MURDOCH: AU10-internal, SP1-internal	3

### Business Law and Legal Studies

### Points

Advanced Socio-legal Research Methods for Legal Studies (LEG512)	MURDOCH: S1-internal, S2-internal, Y-internal	3
Celtic Law and Society (LEG236)	Not available this year	4
Dispute Resolution (LEG321)	MURDOCH: S1-internal (closed as the offering has reached capacity)	4
Dispute Resolution (LEG391)	Not available this year	3
Honours Placement in Legal Studies (LEG511)	MURDOCH: S1-internal	3
Honours Thesis in Legal Studies (LEG519)	MURDOCH: S1-internal, Y-internal	15
Introduction to Legal Studies (LEG150)	Not available this year	3
Law, Justice and Social Policy (LEG100)	MURDOCH: S2-internal	3
Legal Research (LEG120)	MURDOCH: S1-internal	3
Legal Studies Honours Seminar (LEG530)	MURDOCH: S1-internal, S2-internal, Y-internal	3
Mediation (LEG307)	MURDOCH: SP18-internal (quota of 50 places)	4
Mediation (LEG397)	Not available this year	3
Negotiation (LEG398)	Not available this year	3
Power, Government and Legal Accountability (LEG253)	Not available this year	3
Social and Welfare Law (LEG323)	Not available this year	3
Social and Welfare Law (LEG393)	MURDOCH: S2-internal	4
Special Topics in Legal Studies (LEG300)	Topic not currently available	4

### Chemistry

### Points

Advanced Projects in Chemistry and Mineral Science (CHE306)	MURDOCH: S1-internal, S2-internal, SUM-internal	4
Advanced Projects in Chemistry and Mineral Science (CHE309)	Not available this year	3
Chemical Analysis (CHE207)	MURDOCH: S1-internal, S1-external	3
Financial Management, Mineral Resources and Environment (CHE459)	MURDOCH: S1-internal	6
Foundations of Chemistry (CHE144)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	3
Fundamentals of Chemistry (CHE140)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	3
Honours Thesis in Chemistry (CHE500)	MURDOCH: H-internal, Y-internal	18
Instrumental Analysis (CHE340)	MURDOCH: S2-internal, S2-external	4
Introduction to Chemical Concepts (CHE145)	MURDOCH: S2-internal, S2-external	3
Introduction to Earth Sciences (CHE130)	Not available this year	3
Introduction to Forensic Science (CHE103)	MURDOCH: S1-internal	3
Literature Review (CHE576)	MURDOCH: S1-internal, S2-internal	3
Materials Chemistry (CHE304)	Not available this year	3
Materials Chemistry (CHE312)	MURDOCH: S1-internal, S1-external	4
Molecular Design (CHE349)	MURDOCH: S2-internal, S2-external	4
Organic and Biological Chemistry I (CHE205)	MURDOCH: S2-internal, S2-external	3

Organic and Biological Chemistry II (CHE308)	Not available this year	3
Physical Chemistry I (CHE202)	MURDOCH: S1-internal, S1-external	3
Physical Chemistry II (CHE347)	Not available this year	3

## Chiropractic

## Points

Advanced Study Topics (CHI678)	Not available this year	4
Applied Nutrition (CHI233)	MURDOCH: S2-internal	2
Applied Nutrition and Pharmacology (CHI459)	Not available this year	3
Chiropractic History and Principles (CHI210)	MURDOCH: S1-internal	2
Chiropractic Skills (CHI354)	Not available this year	3
Chiropractic Skills and Principles II (CHI309)	MURDOCH: S2-internal	4
Chiropractic Skills and Principles III (CHI409)	MURDOCH: T1-internal	2
Clinical Biomechanics (CHI457)	Not available this year	3
Clinical Orthopaedics and Neurology (CHI304)	MURDOCH: S2-internal	4
Clinical Practicum (CHI400)	Not available this year	12
Clinical Practicum (CHI584)	MURDOCH: Y1-placement	12
Clinical Radiology (CHI420)	MURDOCH: T2-internal (quota of 90 places)	2
Clinical Radiology (CHI440)	Not available this year	3
Decision Making in Clinical Imaging (CHI586)	MURDOCH: T1-internal	2
Diagnosis and Chiropractic Skills (CHI302)	MURDOCH: S1-internal	4
Diagnosis I (CHI335)	Not available this year	3
Diagnosis II (CHI336)	Not available this year	3
Diagnosis III (CHI337)	Not available this year	3
Differential Diagnosis (CHI456)	Not available this year	3
Dissertation (Research Project) (CHI675)	Not available this year	12
Ethics and Jurisprudence (CHI581)	MURDOCH: T2-internal	2
Ethics, Jurisprudence and Professional Practice Management (CHI467)	Not available this year	3
Evidence-based Practice (CHI385)	MURDOCH: S2-internal	2
Honours Thesis in Chiropractic (CHI550)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	15
Human Anatomy I (CHI255)	Not available this year	3
Human Anatomy I (CHI280)	MURDOCH: S1-internal (quota of 90 places)	4
Human Anatomy II (CHI234)	Not available this year	3
Human Anatomy II (CHI282)	MURDOCH: S2-internal (quota of 90 places)	4
Human Anatomy II (CHI2821)	MURDOCH: S2-internal (quota of 100 places)	4
Immunology, Genetics and Microbiology (CHI205)	Not available this year	3
Immunology, Genetics and Microbiology (CHI305)	MURDOCH: S2-internal	4
Introduction to Biochemistry and Nutrition (CHI281)	MURDOCH: S1-internal	4
Introduction to Chiropractic (CHI109)	MURDOCH: S2-internal	3
Introduction to Human Anatomy (CHI108)	MURDOCH: S2-internal (quota of 225 places)	3
Mental Health Issues In Chiropractic Care (CHI488)	MURDOCH: T3-internal	2
Mental Health Issues in Chiropractic Care and Pharmacology (CHI466)	Not available this year	3
Neuromusculoskeletal Rehabilitation in Overview (CHI680)	Not available this year	4
Neuromusculoskeletal Rehabilitation of the Lower Body (CHI682)	Not available this year	4
Neuromusculoskeletal Rehabilitation of the Lower Body II (CHI684)	Not available this year	4
Neuromusculoskeletal Rehabilitation of the Upper Body (CHI683)	Not available this year	4
Neuromusculoskeletal Rehabilitation of the Upper Body II (CHI685)	Not available this year	4
Physical Examination (CHI283)	MURDOCH: S2-internal (quota of 90 places)	4
Physical Examination (CHI293)	Not available this year	3
Physiological Therapeutics (CHI423)	MURDOCH: T3-internal	2
Pre-clinical Practicum (CHI484)	MURDOCH: Y1-internal	6
Pre-clinical Practicum (CHI4841)	Not available this year	0
Primary Practice I: Clinical Science and Diagnosis (CHI303)	MURDOCH: S1-internal	4
Primary Practice II: Physical Rehabilitation I (CHI442)	MURDOCH: T1-internal	2

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Primary Practice III: Differential Diagnosis I (Musculoskeletal) (CHI443)	MURDOCH: T2-internal	2
Primary Practice IV: Differential Diagnosis II (CHI444)	MURDOCH: T1-internal (quota of 90 places)	2
Primary Practice V: Physical Rehabilitation II (CHI445)	MURDOCH: T2-internal	2
Primary Practice VI: Pharmacology (CHI446)	MURDOCH: T1-internal	2
Primary Practice VI: Pharmacology (CHI447)	Not available this year	3
Principles and Practice of Neuromusculoskeletal Rehabilitation (CHI681)	Not available this year	4
Processes in Human Disease (CHI301)	MURDOCH: S1-internal	4
Processes in Human Disease (CHI391)	Not available this year	3
Professional Practice Management (CHI519)	MURDOCH: T1-internal	2
Professional Practice Management (CHI520)	Not available this year	3
Public Health (CHI458)	Not available this year	3
Public Health (CHI509)	MURDOCH: T2-internal	2
Radiography: Principles and Positioning (CHI421)	MURDOCH: T3-internal	4
Radiography: Principles and Positioning (CHI441)	Not available this year	3
Rehabilitation and Physical Therapy I (CHI448)	Not available this year	3
Rehabilitation and Physical Therapy II (CHI449)	Not available this year	3
Special Topics in Chiropractic (CHI332)	Topic not currently available	4
Special Topics Review (CHI589)	MURDOCH: T3-internal	2
Sports Biomechanics (CHI674)	Not available this year	4
Sports Nutrition (CHI689)	Not available this year	4
Sports Psychology (CHI679)	Not available this year	4
Technique I (CHI338)	Not available this year	3
Technique II (CHI339)	Not available this year	3

### Communication and Media Studies

### Points

Audiences, Users and Participants (CMS203)	MURDOCH: S2-internal, S2-external	3
Communicating Global Issues (CMS304)	Not available this year	3
Contemporary Culture (CMS102)	MURDOCH: S2-internal, S2-external	3
Critical Topics in Communication and Media Studies (CMS306)	Not available this year	3
Honours Thesis in Communication and Media Studies (CMS512)	MURDOCH: S1-internal, S2-internal	12
Honours Topic in Communication and Media Studies A (CMS501)	MURDOCH: S1-internal, S2-internal, Y-internal	3
Honours Topic in Communication and Media Studies B (CMS502)	MURDOCH: S1-internal, S2-internal, Y-internal	3
Introduction to Communication (CMS100)	MURDOCH: S1-internal, S1-external	3
Introduction to Media Studies (CMS101)	MURDOCH: S2-internal, S2-external	3
Media Governance and the Public Sphere (CMS305)	Not available this year	3
Old Media, New Media (CMS202)	MURDOCH: S2-internal, S2-external	3
Screen: Small, Medium and Large (CMS201)	MURDOCH: S1-internal, S1-external	3

### Communication Management (Masters)

### Points

Communication Management Research Project (MCM680)	MURDOCH: S1-internal, S2-internal, Y-internal	6
Communication Management: Professional Perspectives (MCM683)	MURDOCH: S1-internal	6
Communication Management: Strategy and Leadership (MCM681)	MURDOCH: S1-internal	6
Critical and Ethical Issues in Communication (MCM501)	MURDOCH: S1-internal	3
Global Media: Asia-Pacific Perspectives (MCM682)	MURDOCH: S2-internal	6
People, Corporates and Globalisation (MCM604)	MURDOCH: S2-internal	3
Public Relations, Communication and Culture (MCM605)	MURDOCH: S2-internal	3
Web Strategy (MCM502)	MURDOCH: S1-internal	3

### Community Development

### Points

Community and Social Policy (COD214)	Not available this year	3
Community and Social Policy (COD355)	MURDOCH: S1-internal, S1-external	4
Community Development Dissertation (COD650)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	12

Community Development Internship (COD508)	MURDOCH: S2-internal, S2-external	6
Community Development Theory and Practice (COD545)	MURDOCH: S1-internal, S1-external	3
Community Work across Sites, Settings and Peoples (COD201)	MURDOCH: S2-internal, S2-external	3
Creative Ways to Work with Community (COD302)	MURDOCH: S2-internal, S2-external	3
Honours Thesis in Community Development (COD569)	MURDOCH: S1-internal, S2-internal, Y-internal	12
Honours Topic in Community Development A (COD561)	MURDOCH: S1-internal, S2-internal, Y-internal	3
Honours Topic in Community Development B (COD562)	MURDOCH: S1-internal, S2-internal, Y-internal	3
Introduction to Community Development (COD125)	MURDOCH: S1-internal, S1-external	3
Mining, Communities and Sustainability (COD505)	MURDOCH: S2-internal, S2-external	3
Preparing for Professional Community Practice (COD303)	Not available this year	3
Projects in Community Development (COD324)	MURDOCH: S2-internal, S2-external	4

## Counselling

## Points

Case Conceptualisation and Assessment in Counselling (CSL566)	MURDOCH: S1-internal	3
Counselling Adults (CSL583)	MURDOCH: S2-internal	3
Counselling Children and Adolescents (CSL578)	MURDOCH: S2-internal PEEL: S2-internal	3
Counselling Placement and Supervision Group 1 (CSL579)	MURDOCH: DE7-placement, S1L-placement	4
Counselling Placement and Supervision Group 1 (CSL679)	MURDOCH: DE7-placement (quota of 22 places), S1L-placement (quota of 22 places)	6
Counselling Placement and Supervision Group 2 (CSL621)	MURDOCH: DE7-placement (quota of 12 places), S1L-placement (quota of 12 places)	6
Counselling Placement and Supervision Group 3 (CSL622)	MURDOCH: DE7-placement (quota of 12 places), S1L-placement (quota of 12 places)	6
Counselling Placement and Supervision Group 3 (CSL6221)	MURDOCH: DE7-placement (quota of 12 places), S1L-placement (quota of 12 places)	3
Counselling Research Project (CSL620)	MURDOCH: H-internal, S1-internal, S2-internal, SUM-internal, Y-internal	9
Counselling Research Project (CSL677)	MURDOCH: Y-internal	6
Group Counselling (CSL581)	MURDOCH: S1-internal	3
Introduction to Creative Arts Therapies in Counselling (CSL676)	MURDOCH: S2-internal	3
Principles of Counselling 1 (CSL582)	MURDOCH: S1-internal PEEL: S2-internal	6
Principles of Counselling 2 (CSL684)	MURDOCH: S2-internal	3
Trauma Counselling (CSL674)	MURDOCH: S1-internal	3

## Criminology

## Points

Advanced Criminology (CRM306)	Not available this year	3
Advanced Socio-legal Research Methods (CRM530)	MURDOCH: S1-internal, Y-internal	3
Children and Crime (CRM302)	Not available this year	3
Criminal Behaviour (CRM203)	MURDOCH: S1-internal	3
Criminology (CRM304)	MURDOCH: S2-internal	4
Criminology Honours Seminar (CRM540)	MURDOCH: S1-internal, S2-internal, Y-internal	3
Honours Placement in Criminology (CRM531)	MURDOCH: S1-internal, S2-internal, Y-internal	3
Honours Thesis in Criminology (CRM539)	MURDOCH: S1-internal, S2-internal	15
Introduction to Criminology (CRM100)	MURDOCH: S1-internal	3
Policing and Crime Prevention (CRM201)	MURDOCH: S1-internal	3
Psychology and Law (CRM309)	MURDOCH: S2-internal	4
Psychology and Law (CRM389)	Not available this year	3
Rehabilitation and Penology (CRM388)	Not available this year	3
Sentencing and Penology (CRM320)	MURDOCH: S1-internal	4
Special Topics in Criminology (CRM300)	Topic not currently available	4
Transnational Crime (CRM219)	MURDOCH: S2-internal	3
Victimology and Restorative Justice (CRM284)	MURDOCH: S2G-internal	3

## Education 'EDN'

## Points

Students who have successfully completed a unit may not enrol for credit in any subsequent version of that unit, even if under a different code and/or title, nor in any parallel lower- or higher-level version. Students enrolled in a higher-level version of a unit are required to demonstrate advanced analytical skills and/or use of advanced research tools in assignments modified for that level.

Action Learning for Reflective Practitioners (EDN459)	Not available this year	3
Action Learning for Reflective Practitioners (EDN470)	MURDOCH: Y-external	4
Adolescent Health and Development (EDN445)	MURDOCH: S2-internal	4
Adolescent Health and Development (EDN4451)	MURDOCH: S1-internal	2
Adolescent Health and Development (EDN446)	Not available this year	3
Advanced Principles and Practices in Early Childhood Education (EDN520)	MURDOCH: S1-internal (closed), S1-external	3
Babies and Toddlers Growing and Learning (EDN537)	MURDOCH: S1-external	3
Case Study Research Project (EDN617)	Not available this year	3
Children's Literature in the Classroom (EDN301)	MURDOCH: S2-internal, S2-external	4
Children's Literature in the Classroom (EDN308)	Not available this year	3
Children, Families and Communities (EDN332)	MURDOCH: S2-internal, S2-external	3
Children, Families and Communities (EDN3321)	MURDOCH: S2-internal, S2-external	2
Country, Cultures, Peoples: Aboriginal and Torres Strait Islander Perspectives Across the Curriculum (EDN353)	MURDOCH: S1-internal, S1-external	3
Creating and Managing Effective Learning Environments (EDN358)	MURDOCH: S1-internal, S1-external	3
Critical Perspectives in Early Childhood Education (EDN512)	MURDOCH: S2-external	3
Cultural and Linguistic Diversity in the Classroom (EDN404)	Not available this year	4
Cultural and Linguistic Diversity in the Classroom (EDN405)	Not available this year	3
Curriculum Development for Practitioners (EDN588)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	3
Designing Early Childhood Learning Environments (EDN538)	Not available this year	3
Drama and the Curriculum (Secondary) (Major) (EDN412)	MURDOCH: S1-internal, S1-external	4
Drama and the Curriculum (Secondary) (Minor) (EDN312)	MURDOCH: S1-internal, S1-external	2
Drama and the Curriculum A (Secondary 7 - 10) (EDN371)	Not available this year	3
Drama and the Curriculum B (Secondary 11 - 12) (EDN471)	Not available this year	3
Dynamics of Cultural Diversity in the Workplace and the Community (EDN546)	MURDOCH: S1-internal	3
Early Childhood Learning Environments (EDN432)	Not available this year	3
Engaging Communities through Drama (EDN304)	MURDOCH: S2-internal	3
English and the Curriculum (Secondary) (Major) (EDN413)	MURDOCH: S1-internal, S1-external	4
English and the Curriculum (Secondary) (Minor) (EDN313)	MURDOCH: S1-internal, S1-external	2
English and the Curriculum A (Secondary 7 - 10) (EDN372)	Not available this year	3
English and the Curriculum B (Secondary 11 - 12) (EDN472)	Not available this year	3
English in the Primary Curriculum (EDN565)	MURDOCH: S2-internal, S2-external	3
Facilitating Lifelong Learning (EDN540)	MURDOCH: S1-internal, S1-external	6
Health and Physical Education and the Curriculum (Major) (EDN419)	MURDOCH: S1-internal	4
Health and Physical Education and the Curriculum (Primary) (EDN464)	Not available this year	3
Health and the Curriculum A (Secondary 7 - 10) (EDN378)	Not available this year	3
Health and the Curriculum B (Secondary 11-12) (EDN478)	Not available this year	3
Humanities and Social Sciences Curriculum A (Secondary 7 - 10) (EDN377)	Not available this year	3
Humanities and Social Sciences Curriculum B (Secondary 11 - 12) (EDN477)	Not available this year	3
ICT in the Classroom (EDN206)	MURDOCH: S2-external	3
Inclusive Education (EDN334)	MURDOCH: S2-internal, S2-external	4
Inclusive Education (EDN3341)	MURDOCH: S2-external	2
Inclusive Education (EDN3342)	MURDOCH: S2-internal, S2-external	6
Inclusive Education (EDN449)	Not available this year	3
Inclusive Education: Contemporary Perspectives and Practices (EDN509)	MURDOCH: S2-internal, S2-external	3
Integrated Early Childhood Curriculum (EDN322)	MURDOCH: S2-internal, S2-external	4
Integrated Early Childhood Curriculum (EDN354)	MURDOCH: S2-internal, S2-external	3
Integrated Early Childhood Curriculum for Educators (EDN522)	MURDOCH: S2-internal, S2-external	3
International Education: Issues and Practices in Schools (EDN513)	MURDOCH: SP3-internal	3



Introduction to Health Education (EDN117)	MURDOCH: S1-internal	3
Introduction to Research for Teachers (EDN616)	Not available this year	3
Language and Literacies in the Early Years (EDN461)	MURDOCH: S1-internal, S1-external	3
Language for Learning and Teaching (EDN111)	MURDOCH: S1-internal, S1-external	3
Learning and Assessment Processes (EDN545)	MURDOCH: S1-internal, S1-external	3
Learning and Teaching (EDN221)	MURDOCH: S1-internal, S1-external	3
Learning and Teaching in Educational Communities (EDN300)	MURDOCH: ST1-placement, ST2-placement, ST3-placement, ST4-placement	4
Literacies in the Early Years (EDN421)	MURDOCH: S1-external	4
Literacy and Learning (EDN563)	MURDOCH: S1-internal, S1-external	3
Living and Learning with Technology (EDN113)	MURDOCH: S1-internal, S1-external	3
Mathematics and Numeracy in the Early Years (EDN462)	MURDOCH: S1-internal, S1-external	3
Mathematics and the Curriculum (Secondary) (Major) (EDN414)	MURDOCH: S1-external	4
Mathematics and the Curriculum (Secondary) (Minor) (EDN314)	MURDOCH: S1-external, S2-external	2
Mathematics and the Curriculum A (Secondary 7 - 10) (EDN373)	Not available this year	3
Mathematics and the Curriculum B (Secondary 11 - 12) (EDN473)	Not available this year	3
Mathematics for Teaching (EDN110)	MURDOCH: S1-internal, S1-external	3
Mathematics in the Primary Curriculum (EDN564)	MURDOCH: S2-internal, S2-external	3
Media and the Curriculum (Major) (EDN415)	MURDOCH: S1-internal, S1-external	4
Media and the Curriculum (Minor) (EDN315)	MURDOCH: S1-internal, S1-external	2
Mentoring (EDN571)	MURDOCH: SP3-internal	3
Numeracy and Learning (EDN562)	MURDOCH: S1-internal, S1-external	3
Opportunities with e-learning (EDN575)	Not available this year	3
Pedagogies for Literacy and Numeracy in the Early Years (EDN566)	MURDOCH: S1-external	3
Physical Education (EDN116)	MURDOCH: S2-internal	3
Physical Education and the Curriculum A (Secondary 7 - 10) (EDN374)	Not available this year	3
Physical Education and the Curriculum B (Secondary 11 - 12) (EDN474)	Not available this year	3
Practical Methods of Instruction (EDN541)	MURDOCH: S1-internal, S1-external	3
Principles and Practices in Early Childhood Education (EDN320)	MURDOCH: S1-internal, S1-external	4
Principles and Practices in Early Childhood Education (EDN3201)	MURDOCH: S1-internal, S1-external	6
Principles and Practices in Early Childhood Education (EDN355)	MURDOCH: S1-internal, S1-external	3
Professional Development Portfolio (EDN518)	MURDOCH: S1-external	3
Professional Experience in Early Learning Centres (EDN539)	MURDOCH: ST2-placement, ST4-placement	3
Professional Experience Primary (EDN3100)	MURDOCH: ST2-placement	2
Professional Experience: BEd Primary (EDN2100)	Not available this year	2
Professional Experience: BEd Secondary (EDN305)	Not available this year	3
Professional Experience: BEd Secondary (EDN3101)	MURDOCH: ST2-placement	2
Professional Experience: BEd Secondary (EDN410)	Not available this year	3
Professional Experience: BEd Secondary (EDN4101)	MURDOCH: ST2-placement	2
Professional Experience: BEd Secondary (HPE) (EDN4103)	MURDOCH: S1-placement	2
Professional Experience: BEd Secondary HPE (EDN2102)	MURDOCH: ST4-placement	2
Professional Experience: BEd Secondary Teaching (EDN2101)	MURDOCH: ST4-placement	3
Professional Experience: English in Practice (EDN2104)	MURDOCH: S2-placement	3
Professional Experience: Graduate Diploma Secondary (EDN514)	MURDOCH: ST2-placement	3
Professional Experience: Integrated Curriculum in Practice (EDN310)	MURDOCH: ST3-placement	3
Professional Experience: Mathematics in Practice (EDN3102)	Not available this year	3
Professional Experience: Perspectives on Curriculum (EDN465)	Not available this year	3
Professional Experience: Postgraduate (EDN5100)	MURDOCH: ST2-placement, ST3-placement	3
Professional Experience: Primary Graduate (EDN2151)	MURDOCH: ST2-placement	2
Professional Experience: Programming Across the Curriculum (EDN4100)	Not available this year	3
Professional Experience: Strategies for Effective Teaching (EDN567)	MURDOCH: S2-internal, S2-external	3
Professional Internship A: Differentiation within Diverse Contexts (EDN611)	Not available this year	3

Professional Internship B: Research in Practice (EDN615)	Not available this year	6
Professional Internship: Early Childhood Teaching (K - PP) (EDN435)	Not available this year	6
Professional Internship: Preliminary Early Childhood Teaching (K - PP) (EDN434)	Not available this year	3
Professional Internship: Preliminary Primary Teaching (EDN4302)	Not available this year	3
Professional Internship: Preliminary Secondary Graduate Diploma (EDN511)	MURDOCH: ST3-placement, ST4-placement	3
Professional Internship: Preliminary Secondary Teaching (EDN4303)	Not available this year	3
Professional Internship: Primary Teaching (EDN4300)	Not available this year	6
Professional Internship: Secondary Graduate Diploma (EDN510)	MURDOCH: ST3-placement, ST4-placement	6
Professional Internship: Secondary Teaching (EDN4301)	Not available this year	6
Schooling and Society (EDN331)	MURDOCH: S1-internal, S1-external	3
Schooling and Society (EDN3311)	MURDOCH: S1-internal, S1-external	2
Science and the Curriculum (Secondary) (Major) (EDN417)	MURDOCH: S1-internal, S1-external	4
Science and the Curriculum (Secondary) (Minor) (EDN317)	MURDOCH: S1-internal, S1-external	2
Science and the Curriculum A (Secondary 7 - 10) (EDN376)	Not available this year	3
Science and the Curriculum B (Secondary 11 - 12) (EDN476)	Not available this year	3
Science in the Primary Curriculum (EDN614)	Not available this year	3
Second/Foreign Languages and the Curriculum (EDN3162)	MURDOCH: S1-internal, S1-external	3
Second/Foreign Languages and the Curriculum (Major) (EDN416)	MURDOCH: S1-internal, S1-external	4
Second/Foreign Languages and the Curriculum (Minor) (EDN316)	MURDOCH: S1-internal, S1-external	2
Second/Foreign Languages and the Curriculum A (Secondary 7 - 10) (EDN375)	Not available this year	3
Second/Foreign Languages and the Curriculum B (Secondary 11 - 12) (EDN475)	Not available this year	3
Society and Environment Curriculum (Secondary) (Major) (EDN418)	MURDOCH: S1-internal, S1-external	4
Society and Environment Curriculum (Secondary) (Minor) (EDN318)	MURDOCH: S1-internal, S1-external	2
Special Topics in Education (EDN311)	Topic not currently available	3
Special Topics in Education (EDN411)	Topic not currently available	4
Special Topics in Education: Catholic Studies - Prayer and Morality (EDN211)	MURDOCH: SUM-internal	3
Sport Education (EDN356)	MURDOCH: S1-internal, S2-internal	3
Sports Practicum (EDN302)	MURDOCH: Y3-internal	4
Sports Practicum (EDN357)	Not available this year	3
Sports Science Practicum (EDN307)	MURDOCH: Y3-internal	4
Strategies for Effective Learning and Teaching (EDN568)	MURDOCH: S2-internal, S2-external	3
Teaching Arts and HPE in Primary Schools (EDN227)	MURDOCH: SP21-internal	2
Teaching Drama in Secondary Schools (EDN552)	MURDOCH: S1-internal	3
Teaching English and Literacy in Primary Schools (EDN235)	MURDOCH: S1-internal, S1-external	3
Teaching English in Secondary Schools (EDN553)	MURDOCH: S1-internal, S1-external	3
Teaching Health and Physical Education in Primary Schools (EDN248)	MURDOCH: S2-internal, S2-external	3
Teaching Humanities and Social Sciences in Primary Years (EDN441)	Not available this year	3
Teaching Humanities and Social Sciences in Secondary Schools (EDN558)	MURDOCH: S1-internal, S1-external	3
Teaching Mathematics in Primary Schools (EDN333)	MURDOCH: S1-internal, S1-external	4
Teaching Mathematics in Primary Schools (EDN3331)	MURDOCH: S1-internal, S1-external	3
Teaching Mathematics in Primary Schools (EDN351)	Not available this year	3
Teaching Mathematics in Secondary Schools (EDN554)	MURDOCH: S1-internal, S1-external	3
Teaching Science in Primary Schools (EDN442)	Not available this year	3
Teaching Science in Secondary Schools (EDN557)	MURDOCH: S1-internal, S1-external	3
Teaching Second/Foreign Languages in Secondary Schools (EDN556)	MURDOCH: S1-internal, S1-external	3
Teaching The Arts in Primary Schools (EDN236)	MURDOCH: S2-internal, S2-external	3
Tertiary and Adult Education Policy (EDN544)	MURDOCH: S2-internal, S2-external	3

The Integrated Curriculum in Primary Schools (HASS/HPE/Arts) (EDN613)	Not available this year	3
Thinking Mathematically (EDN114)	MURDOCH: S2-internal, S2-external	3
Thinking Mathematically for Teachers (EDN214)	MURDOCH: S2-external	4
Thinking Scientifically (EDN115)	MURDOCH: S2-internal, S2-external	3
Transition to Teaching (EDN550)	MURDOCH: UA6-internal	3
Transition to Teaching (EDN5501)	MURDOCH: S1-internal, S1-external	3
Understanding Diversity and Inclusion in Educational Settings (EDN612)	Not available this year	3
Understanding the Learner and the Learning Environment (EDN561)	MURDOCH: S1-internal, S1-external	3

**Education 'EDU'****Points**

Adult Learning in Education and Work (EDU645)	MURDOCH: S2-external	3
Advanced Educational Research Seminar (EDU701)	MURDOCH: S2-internal, S2-external	3
Advanced Qualitative Approaches to Research (EDU743)	MURDOCH: S2-internal, S2-external	3
Australian Indigenous Education (EDU621)	MURDOCH: S1-internal, S1-external	3
Critical Policy Analysis and Teachers' Work (EDU658)	Not available this year	3
Cultural Diversity in Learning and Working (EDU646)	DUBAI-ISC: TJD-internal	4
Curriculum Development for Practitioners (EDU688)	DUBAI-ISC: TJD-internal	4
Developing Research Capacities for Educators (EDU602)	MURDOCH: S2-internal, S2-external	6
Different Englishes and Interpretations of Language, Culture and Identity (EDU604)	MURDOCH: S2-internal, S2-external	3
Different Englishes and Interpretations of Language, Culture and Identity (EDU619)	DUBAI-ISC: TSD-internal	4
Education Project (EDU600)	DUBAI-ISC: TJD-internal, TMD-internal, TSD-internal	4
Education Project (EDU660)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	6
International Education: Issues and Practices in Schools (EDU613)	DUBAI-ISC: TMD-internal	4
Introduction to Research for Educators (EDU603)	DUBAI-ISC: TJD-internal, TSD-internal	4
Introduction to Research for Educators (EDU610)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	6
Learning and Teaching with ICT (EDU615)	MURDOCH: S2-external	3
Learning and Teaching with ICT (EDU617)	DUBAI-ISC: TSD-internal	4
Mentoring (EDU671)	DUBAI-ISC: TMD-internal	4
Primary Curriculum IV (Humanities and Social Science, Science) (EDU286)	MURDOCH: S1-internal, S1-external	4
Primary Curriculum IV (Humanities and Social Science, Science) (EDU2861)	MURDOCH: S1-external	3
Professional Development Portfolio (EDU618)	DUBAI-ISC: TMD-internal	4
Professional Experience: Primary BEd (EDU3154)	MURDOCH: ST2-placement	2
Professional Internship Prelim: Prim BEd/Inclusive Ed (EDU383)	MURDOCH: ST2-placement, ST3-placement	2
Professional Internship Prelim: Primary BEd/ECE (EDU379)	MURDOCH: ST2-placement, ST3-placement	2
Professional Internship Prelim: Primary GradDipEd (EDU291)	MURDOCH: ST2-placement, ST3-placement	2
Professional Internship Prelim: Secondary BEd (EDU387)	MURDOCH: ST2-placement, ST3-placement	2
Professional Internship Prelim: Secondary GradDipEd (EDU293)	MURDOCH: ST2-placement, ST3-placement	2
Professional Internship Preliminary: Primary BEd (EDU377)	MURDOCH: ST2-placement, ST3-placement	2
Professional Internship: Primary BEd (EDU378)	MURDOCH: ST2-placement, ST3-placement	6
Professional Internship: Primary BEd/ECE (EDU381)	MURDOCH: ST2-placement, ST3-placement	6
Professional Internship: Primary BEd/Inclusive Ed (EDU384)	MURDOCH: ST2-placement, ST3-placement	6
Professional Internship: Primary GradDipEd (EDU292)	MURDOCH: ST2-placement, ST3-placement	4
Professional Internship: Secondary BEd (EDU389)	MURDOCH: ST2-placement, ST3-placement	6
Professional Internship: Secondary GradDipEd (EDU297)	MURDOCH: ST2-placement, ST3-placement	4
Research in Education (Research Dissertation) (EDU700)	MURDOCH: R1-internal, R1-external, R2-internal, R2-external, RAU-internal, RAU-external, RSP-internal, RSP-external	12

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Research in Education (Research Dissertation) (EDU900)	MURDOCH: R1-internal, R1-external, R2-internal, R2-external, RAU-internal, RAU-external, RSP-internal, RSP-external ROCKINGHAM: R1-internal, R1-external, R2-internal, R2-external, RAU-internal, RAU-external, RSP-internal, RSP-external	12
Special Topics in Education (EDU511)	Topic not currently available	3
Special Topics in Education (EDU611)	Topic not currently available	3
Student Engagement and Community Learning (EDU661)	MURDOCH: S2-external	3
Teaching, Learning and Working in Culturally Diverse Environments (EDU616)	MURDOCH: S1-internal, S1-external	3

## Engineering

## Points

Advanced Electronic Control of Power Systems (ENG558)	Not available this year	3
Advanced Mineral Processing (ENG566)	MURDOCH: S1-internal, S1-external	3
Advanced Process Engineering (ENG308)	Not available this year	3
Applied Photovoltaics (ENG337)	Not available this year	3
BioEnergy and Resource Recovery (ENG342)	Not available this year	3
Biomedical Instrumentation (ENG371)	MURDOCH: S1-internal	4
Biomedical Signal Processing (ENG372)	MURDOCH: S1-internal	4
Biomedical Systems Engineering (ENG373)	MURDOCH: S1-internal, S2-internal	4
Chemical Process Kinetics (ENG255)	MURDOCH: S1-internal, S1-external	3
Circuits and Systems I (ENG125)	MURDOCH: S2-internal	3
Circuits and Systems II (ENG297)	MURDOCH: S1-internal	3
Computer Based Measurement and Control (ENG502)	MURDOCH: S2-internal	3
Control System Investigation (ENG668)	MURDOCH: S1-internal	3
Control Systems and Process Dynamics (ENG299)	MURDOCH: S2-internal, SUM-internal	3
Design Project (ENG550)	MURDOCH: S1-internal, S2-internal, SUM-internal	3
Discrete Time Systems (ENG294)	MURDOCH: S2-internal	3
Electrical Power Systems Design (ENG449)	Not available this year	3
Electromechanical Energy Conversion (ENG317)	Not available this year	3
Electromechanical Energy Conversion (ENG347)	MURDOCH: S1-internal	4
Energy Management and Systems (ENG338)	Not available this year	3
Energy Supply Systems (ENG352)	MURDOCH: S2-internal	4
Energy, Mass and Flow (ENG192)	MURDOCH: S2-internal, S2-external	3
Engineering Computing Systems (ENG109)	MURDOCH: S2-internal	3
Engineering Design (ENG428)	MURDOCH: S1-internal, S2-internal	4
Engineering Design (ENG4281)	MURDOCH: S1-internal, S2-internal	4
Engineering Design Project (ENG457)	MURDOCH: S2-internal	6
Engineering Finance, Management and Law (ENG336)	Not available this year	3
Engineering Honours Thesis (ENG470)	MURDOCH: DE2-internal, H-internal, S1-internal, WU3-internal, Y-internal	12
Engineering Internship (ENG450)	MURDOCH: DE2-internal, H-internal, S1-internal, SUM-internal, WU3-internal, Y-internal	12
Engineering Law, Management and Ethics (ENG453)	MURDOCH: S1-internal	4
Engineering Masters Project (ENG615)	MURDOCH: H-internal, S1-internal, S2-internal, SUM-internal, Y-internal	12
Engineering Systems Projects (ENG396)	MURDOCH: S1-internal, S2-internal, SUM-internal	6
Engineering Technology Project (ENG310)	MURDOCH: S1-internal, S2-internal, SUM-internal, Y-internal	4
Engineering Thermodynamics (ENG202)	MURDOCH: S1-internal, S1-external	3
Engineering Thesis (ENG460)	MURDOCH: DE2-internal, H-internal, S1-internal, SUM-internal, WU3-internal, Y-internal	12
Environmental Engineering Design (ENG452)	Not available this year	3
Environmental Technology for Sustainability (ENG300)	Not available this year	3
Extractive Metallurgy I (ENG527)	MURDOCH: S1-internal, S1-external	3
Extractive Metallurgy II (ENG528)	MURDOCH: S2-internal, S2-external	3

Fluid Mechanics (ENG201)	MURDOCH: S2-internal, S2-external	3
Hazard, Risk and Project Management (ENG691)	MURDOCH: S1-internal, S2-internal	3
Hazard, Safety and Environmental Management (ENG456)	Not available this year	3
Heat and Mass Transfer (ENG203)	MURDOCH: S2-internal, S2-external	3
Honours Thesis in Mineral Science (ENG539)	MURDOCH: H-internal, Y-internal	18
Hydrometallurgy (ENG326)	Not available this year	3
Industrial Computer Systems (ENG617)	MURDOCH: S1-internal, S2-internal	3
Industrial Computer Systems Design (ENG447)	Not available this year	3
Industrial Computer Systems Design (ENG454)	MURDOCH: S1-internal	4
Industrial Signals and Systems (ENG514)	MURDOCH: S1-internal, S2-internal, SUM-internal	3
Instrument and Communication Systems (ENG321)	Not available this year	3
Instrument and Communication Systems (ENG345)	MURDOCH: S2-internal	4
Instrumentation and Communication (ENG564)	MURDOCH: S2-internal	3
Instrumentation and Control (ENG525)	MURDOCH: S1-internal	3
Instrumentation and Control II (ENG508)	MURDOCH: S2-internal	3
Instrumentation and Control Systems Design (ENG420)	MURDOCH: S1-internal	4
Instrumentation and Control Systems Design (ENG445)	Not available this year	3
Introduction to the Minerals Industry (ENG193)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	3
Metallurgical Unit Operations (ENG524)	MURDOCH: S1-internal, S1-external	3
Mineral Processing I (ENG328)	Not available this year	3
Mineral Processing II (ENG329)	Not available this year	3
Mineral Processing II (ENG330)	MURDOCH: S2-internal, S2-external	4
Mineralogy for Metallurgists (ENG565)	MURDOCH: S2-internal, S2-external	3
PLC Applications (ENG501)	MURDOCH: S1-internal	3
PLC Systems (ENG305)	MURDOCH: S1-internal	4
PLC Systems (ENG311)	Not available this year	3
Pollution and its Control (ENG221)	MURDOCH: S1-internal, S1-external	3
Power Electronic Converters and Systems (ENG318)	Not available this year	3
Power Electronic Converters and Systems (ENG349)	MURDOCH: S1-internal	4
Power System Economics and Electricity Markets (ENG561)	Not available this year	3
Power System Monitoring, Diagnostics and Maintenance (ENG557)	Not available this year	3
Power Systems Protection (ENG682)	MURDOCH: S1-internal	3
Power Systems Protection and Control (ENG451)	Not available this year	3
Power Systems Protection and Control (ENG455)	MURDOCH: S1-internal	4
Power Transmission and Distribution Networks (ENG323)	Not available this year	3
Power Transmission and Distribution Networks (ENG348)	MURDOCH: S2-internal	4
Practical Metallurgical Processing (ENG562)	MURDOCH: H-external, Y-external	6
Principles of Electronic Instrumentation (ENG207)	MURDOCH: S2-internal, SUM-internal	3
Principles of Mineral Processing (ENG324)	Not available this year	3
Principles of Process Engineering (ENG298)	MURDOCH: S1-internal	3
Principles of Unit Operations (ENG224)	MURDOCH: S1-internal, S1-external	3
Process Control Engineering I (ENG304)	MURDOCH: S1-internal	4
Process Control Engineering I (ENG309)	Not available this year	3
Process Control Engineering II (ENG322)	Not available this year	3
Process Control Engineering II (ENG346)	MURDOCH: S2-internal	4
Process Engineering (ENG303)	MURDOCH: S1-internal	4
Process Mineralogy (ENG205)	MURDOCH: S1-internal, S1-external	3
Process Systems Engineering (ENG446)	Not available this year	3
Processes, Simulation and Instrumentation (ENG563)	MURDOCH: S1-internal	3
Pyrometallurgy (ENG325)	Not available this year	3
Reactor Design (ENG335)	Not available this year	3
Real Time and Embedded Systems (ENG306)	MURDOCH: S2-internal	4
Real Time and Embedded Systems (ENG319)	Not available this year	3
Renewable Energy Design Workshop (ENG351)	MURDOCH: S2-internal	4
Renewable Energy Systems Engineering (ENG421)	MURDOCH: S1-internal	4
Renewable Energy Systems Engineering (ENG442)	Not available this year	3

Research Principles and Methods (ENG670)	MURDOCH: S1-internal, S2-internal, SUM-internal	3
Research Project and Thesis (ENG458)	MURDOCH: H-internal, Y-internal	12
Resources for Renewable Energy (ENG307)	MURDOCH: S1-internal	4
SCADA and Systems Architecture (ENG448)	Not available this year	3
Solar Thermal and Biomass Engineering (ENG441)	Not available this year	3
Sustainable Urban Water Systems (ENG459)	Not available this year	3
Transmission and Distribution System Design and Planning (ENG556)	Not available this year	3
Water Conservation and Auditing (ENG341)	Not available this year	3
Wind Energy Engineering (ENG339)	Not available this year	3

**English****Points**

Acting and Production I (EGL239)	MURDOCH: S1-internal	3
Acting and Production II (EGL329)	MURDOCH: S2-internal	4
Australian Literature and Film (EGL235)	MURDOCH: S1-internal, S1-external	3
Children's Theatre (EGL240)	MURDOCH: S1-internal	3
Comparative Theatre (EGL342)	Not available this year	3
Contemporary Fiction Writing (EGL343)	Not available this year	3
Contemporary Theatre Practice (EGL202)	Not available this year	4
Contemporary Theatre Practice (EGL349)	Not available this year	3
Drama, Theatre and Performance (EGL106)	MURDOCH: S2-internal	3
Great Books Past and Present 1 (EGL252)	MURDOCH: S1-internal, S1-external	3
Great Books Past and Present 2 (EGL345)	Not available this year	3
Honours Dissertation Preliminary (EGL569)	MURDOCH: S1-internal, S2-internal, Y-internal	3
Honours Thesis in English and Creative Writing (EGL599)	MURDOCH: S1-internal, S2-internal, Y-internal	12
Honours Thesis in Theatre and Drama (EGL589)	MURDOCH: S1-internal, S2-internal	12
Honours Topic in English and Creative Writing (EGL591)	MURDOCH: S1-internal, S2-internal, Y-internal	3
Honours Topic in Theatre and Drama (EGL581)	MURDOCH: S1-internal, S2-internal	3
Literary Theory (EGL346)	Not available this year	3
Literary Theory (EGL354)	MURDOCH: S1-internal, S1-external	4
Performance and Creative Arts (EGL236)	MURDOCH: S2-internal	3
Popular Literature and Science Fiction (EGL230)	MURDOCH: S2-internal, S2-external	3
Professional Writing and Editing (EGL232)	Not available this year	3
Project in Creative Writing (EGL220)	MURDOCH: S2-internal, S2-external	3
Shakespeare (EGL308)	MURDOCH: S2-internal, S2-external	4
Shakespeare (EGL348)	Not available this year	3
Sonnet to Song: Understanding Poetry (EGL331)	MURDOCH: S2-internal, S2-external	4
Sonnet to Song: Understanding Poetry (EGL344)	Not available this year	3
Telling True Stories (EGL233)	MURDOCH: S2-internal, S2-external	3
Turning Points in Literature (EGL121)	MURDOCH: S1-internal, S1-external	3
Writing and Creativity (EGL122)	MURDOCH: S2-internal, S2-external	3

**Environmental Science****Points**

Advanced Ecology (ENV526)	MURDOCH: S2-internal, S2-external	3
Advanced Protected Area Management and Planning (ENV637)	MURDOCH: S1-internal, S1-external	3
Atmospheric Science (ENV242)	MURDOCH: S1-internal, S1-external	3
Climate Change Adaptation: Ecosystems and Societies (ENV380)	Not available this year	4
Climate Change Adaptation: Ecosystems and Societies (ENV680)	MURDOCH: S2-internal, S2-external	3
Coastal and Marine Management (ENV333)	Not available this year	3
Coastal and Marine Management (ENV381)	MURDOCH: S2-internal (quota of 60 places)	4
Comparative Environmental Policy and Law (ENV552)	MURDOCH: S1-internal	3
Conservation Science (ENV638)	Not available this year	3
Earth System Science (ENV314)	MURDOCH: S2-internal, S2-external	4
Earth System Science (ENV684)	MURDOCH: S2-internal, S2-external	3
Ecology (ENV241)	MURDOCH: S2-internal, S2-external	3
Engaging with a Sustainable Future (ENV536)	MURDOCH: S2-internal, S2-external	3

Environmental Assessment and Management (ENV557)	MURDOCH: S1-internal, S1-external	3
Environmental Management (ENV319)	MURDOCH: S2-internal, S2-external	4
Environmental Management (ENV331)	Not available this year	3
Environmental Monitoring (ENV558)	MURDOCH: S2-internal, S2-external	3
Environmental Policy and Law (ENV328)	MURDOCH: S2-internal, S2-external	3
Environmental Policy for the 21st Century (ENV616)	MURDOCH: S1-internal, S1-external	3
Environmental Restoration (ENV324)	MURDOCH: S1-internal, S1-external	4
Environmental Restoration (ENV334)	Not available this year	3
Environmental Science Masters Project (ENV600)	MURDOCH: H-internal, H-external, Y-internal, Y-external	8
Environmental Science Topics (ENV527)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	3
Foundations of the Environment (ENV102)	MURDOCH: S2-internal, S2-external	3
GIS for Environmental Management and Planning (ENV303)	MURDOCH: S2-internal, S2-external	3
Global and Regional Sustainability (ENV245)	MURDOCH: S2-internal, S2-external	3
Land and Water Management (ENV554)	MURDOCH: S1-internal, S1-external	3
Managing Wetlands and Water (ENV311)	MURDOCH: S2-internal, S2-external	4
Managing Wetlands and Water (ENV332)	Not available this year	3
Nature-Based Tourism (ENV278)	MURDOCH: S1-internal, S1-external	3
Oceanography and Marine Pollution (ENV244)	MURDOCH: S2-internal (quota of 40 places)	3
Principles of Environmental Impact Assessment (ENV556)	MURDOCH: S1-internal, S1-external	3
Protected Area Management and Planning (ENV246)	MURDOCH: S1-internal, S1-external	3
Special Topics in Environmental Science (ENV330)	Topic not currently available	3
Sustainability Assessment (ENV617)	MURDOCH: S1-internal, S1-external	3
Sustainable Urban Water Systems (ENV318)	MURDOCH: S2-internal, S2-external	4
Water and Earth Science (ENV243)	MURDOCH: S1-internal, S1-external	3

## Exercise Science

## Points

Acquisition of Skills and Motor Control (EXS205)	MURDOCH: S2-internal	3
Acquisition of Skills and Motor Control (EXS322)	MURDOCH: S1-internal	4
Advanced Skills and Motor Control (EXS305)	Not available this year	3
Advanced Skills and Motor Control (EXS330)	MURDOCH: S2-internal	2
Advanced Sports Psychology (EXS301)	Not available this year	3
Advanced Sports Psychology (EXS331)	MURDOCH: S2-internal	2
Advanced Topics in Exercise Physiology (EXS404)	Not available this year	3
Advanced Topics in Exercise Physiology (EXS569)	MURDOCH: T3-internal	2
Biomechanics I (EXS204)	MURDOCH: S2-internal	3
Biomechanics I (EXS209)	MURDOCH: S2-internal	4
Biomechanics II (EXS304)	Not available this year	3
Cardiopulmonary Rehabilitation (EXS401)	Not available this year	3
Cardiopulmonary Rehabilitation (EXS552)	MURDOCH: T1-internal	2
Exercise Physiology I (EXS202)	MURDOCH: S1-internal	3
Exercise Physiology II (EXS302)	MURDOCH: S2-internal	3
Exercise Physiology Practicum (EXS409)	Not available this year	6
Exercise Physiology Practicum (EXS570)	MURDOCH: Y1-placement	12
Exercise Science Practicum (EXS309)	Not available this year	3
Exercise Science Practicum (EXS390)	MURDOCH: H-placement, Y-placement	4
Exercise, Programming and Prescription (EXS303)	Not available this year	3
Exercise, Programming and Prescription (EXS318)	MURDOCH: S1-internal	4
Functional Human Anatomy (EXS206)	Not available this year	3
Health, Fitness and Performance Assessment (EXS203)	MURDOCH: S1-internal	3
Honours Thesis in Exercise Physiology (EXS560)	MURDOCH: H-internal, H-external, Y-internal, Y-external	15
Honours Thesis in Movement Science (EXS594)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	15
Honours Thesis in Sports and Health Science (EXS593)	MURDOCH: H-internal, H-external, Y-internal, Y-external	15
Honours Thesis in Sports Science (EXS4909)	MURDOCH: H-internal, H-external	24
Human Physiology (EXS102)	MURDOCH: S2-internal	3
Introduction to Sports Science (EXS124)	MURDOCH: S1-internal	3

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Metabolic Rehabilitation (EXS403)	Not available this year	3
Metabolic Rehabilitation (EXS551)	MURDOCH: T3-internal	2
Neuromuscular Rehabilitation (EXS402)	Not available this year	3
Neuromuscular Rehabilitation (EXS553)	MURDOCH: T2-internal	2
Nutrition (EXS213)	MURDOCH: S1-internal	2
Physical Assessment and Rehabilitation (EXS306)	Not available this year	3
Physical Assessment and Rehabilitation (EXS328)	MURDOCH: S1-internal	4
Research Methods in Exercise and Rehabilitation Sciences (EXS691)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	9
Sports Psychology (EXS201)	MURDOCH: S1-internal	3
Sports Science Practicum (EXS315)	MURDOCH: H-placement, Y-placement	4
Strength and Resistance Training (EXS103)	MURDOCH: S2-internal	3

### Extractive Metallurgy

### Points

Extractive Metallurgy (EXM357)	MURDOCH: S2-internal, S2-external	4
Mineral Processing I (EXM301)	MURDOCH: S1-internal, S1-external	4

### Foundation

### Points

Next Life (FDN107)	DUBAI-ISC: TJD-internal, TMD-internal, TSD-internal KAPLAN-SGP: TMA-internal, TSA-internal	3
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### Games Art and Design

### Points

3D Animation (GAD365)	Not available this year	3
3D Modelling (GAD164)	MURDOCH: S1-internal	3
Advanced 3D Modelling (GAD363)	Not available this year	3
Animation (GAD241)	MURDOCH: S1-internal	3
Critical Games, Play and Design (GAD232)	MURDOCH: S2-internal	3
Digital Painting (GAD374)	Not available this year	3
Drawing (GAD172)	MURDOCH: S1-internal	3
Drawing Studio (GAD373)	Not available this year	3
Games Art (GAD261)	MURDOCH: S1-internal	3
Games Design Studio (GAD375)	Not available this year	3
Games Project (GAD362)	Not available this year	3
Honours Thesis in Games Art and Design (GAD569)	MURDOCH: S1-internal, S2-internal, Y-internal	12
Honours Topic in Games Art and Design A (GAD567)	MURDOCH: S1-internal, S2-internal, Y-internal	3
Honours Topic in Games Art and Design B (GAD568)	MURDOCH: S1-internal, S2-internal, Y-internal	3
Introduction to Games Art and Design (GAD154)	MURDOCH: S2-internal	3

### History

### Points

After Power: The Fall of Regimes and Rulers (HIS203)	Not available this year	4
American Indian History (HIS323)	Not available this year	3
Approaches to History (HIS200)	MURDOCH: S2-internal, S2-external	3
Approaches to History (HIS285)	Not available this year	4
Australia and its Asian Context (HIS302)	Not available this year	3
Creating History (HIS300)	Not available this year	3
Crime and Punishment Since 1700 (HIS204)	Not available this year	3
Earth, Fire, Wind and Water: Australian Environmental History (HIS256)	MURDOCH: S1-internal, S1-external	3
Europe Under the Dictators (HIS259)	Not available this year	3
Hollywood and History (HIS250)	MURDOCH: S2-internal, S2-external	3
Honours Seminar in History (HIS563)	MURDOCH: S1-internal	3
Honours Thesis in History (HIS519)	MURDOCH: S1-internal, S2-internal, Y-internal	12
Honours Topic in History (HIS511)	MURDOCH: S1-internal, S2-internal, Y-internal	3
Introduction to History (HIS181)	MURDOCH: S1-internal, S1-external	3



Making of the Modern World (HIS182)	MURDOCH: S2-internal, S2-external	3
Modern Japanese History (HIS310)	Not available this year	3
Rebirth of Europe 1945-2001 (HIS324)	MURDOCH: S1-internal, S1-external	3
Soldiers and Civilians: War in the Pacific 1941-1945 (HIS258)	MURDOCH: S1-internal, S1-external	3
Special Topics in History (HIS2871)	Topic not currently available	4
Spies, Saboteurs and Secret Agents (HIS257)	Not available this year	3

## Indonesian

## Points

Indonesian 1 (IND101)	MURDOCH: S1-internal, S1-external	3
Indonesian 2 (IND102)	MURDOCH: S2-internal, S2-external	3
Indonesian 3 (IND201)	MURDOCH: S1-internal, S1-external	3
Indonesian 3A (IND361)	MURDOCH: S1-internal, S1-external	4
Indonesian 3B (IND362)	MURDOCH: S2-internal, S2-external	4
Indonesian 4 (IND202)	MURDOCH: S1-internal, S1-external	3
Indonesian 5 (IND203)	MURDOCH: S2-internal, S2-external	3
Indonesian 6 (IND301)	Not available this year	3
Indonesian 7 (IND302)	Not available this year	3
Indonesian Advanced Language Project (IND652)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	3
Media, Culture and Politics in Indonesia (IND271)	MURDOCH: S2-internal, S2-external	4
Media, Culture and Politics in Indonesia (IND371)	Not available this year	3
Semester in Indonesia (IND243)	MURDOCH: S1-internal, S2-internal	12
Semester in Indonesia (IND443)	MURDOCH: S1-internal, S2-internal	12
Semester in Indonesia (IND543)	MURDOCH: S1-internal, S2-internal	12

## Information Technology

## Points

Advanced Business Analysis and Design (ICT353)	MURDOCH: S2-internal, S2-external DUBAI-ISC: TMD-internal KAPLAN-SGP: TJA-internal, TMA-internal SGP1: TMB-internal, TSB-internal	4
Advanced Business Analysis and Design (ICT393)	Not available this year	3
Advanced Business Data Communications (ICT535)	MURDOCH: S2-internal	3
Advanced Games Design and Programming (ICT311)	MURDOCH: S1-internal, S1-external	4
Advanced Games Design and Programming (ICT397)	Not available this year	3
Advanced Information Technology Research Project (ICT708)	MURDOCH: S1-internal, S2-internal	12
Advanced IT Study Project (ICT517)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	3
Advanced Network Design (ICT347)	MURDOCH: S2-internal	4
Advanced Network Design and Implementation (ICT372)	Not available this year	3
Advanced Routing (ICT611)	MURDOCH: S2-internal	3
Advanced Web Programming (ICT375)	Not available this year	3
Applied Information Security Management (ICT502)	MURDOCH: S2-internal, S2-external	3
Business Analysis and Systems Development Approaches (ICT501)	MURDOCH: S2-internal, S2-external	3
Business Analytics (ICT601)	MURDOCH: S2-internal	3
Business Intelligence Application Development (ICT394)	Not available this year	3
Business Intelligence Tools and Techniques (ICT208)	MURDOCH: S1-external DUBAI-ISC: TJD-internal, TSD-internal KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal SGP1: TMB-internal, TSB-internal	4
Computer Forensics (ICT504)	MURDOCH: S2-internal	3
Computer Graphics Principles and Programming (ICT289)	MURDOCH: S1-internal, S1-external	3
Computer Science Research Topic (ICT700)	MURDOCH: S1-internal, S2-internal	3
Computer Security (ICT287)	MURDOCH: S1-internal, S1-external	3
Cyber Forensics (ICT248)	KAPLAN-SGP: TJA-internal, TMA-internal SGP1: TMB-internal	4
Cyber Forensics and Information Technology (ICT378)	Not available this year	3

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Data Resources Management (ICT616)	MURDOCH: S2-internal	3
Data Structures and Abstractions (ICT209)	DUBAI-ISC: TJD-internal, TMD-internal KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal	4
Data Structures and Abstractions (ICT283)	MURDOCH: S1-internal, S1-external	3
Databases (ICT218)	DUBAI-ISC: TMD-internal, TSD-internal KAPLAN-SGP: TMA-internal, TSA-internal SGP1: TSB-internal	4
Databases (ICT285)	MURDOCH: S2-internal, S2-external	3
Doctor of Information Technology Thesis (ICT702)	MURDOCH: R1-internal, R1-external, R2-internal, R2-external, RAU-internal, RAU-external, RSP-internal, RSP-external, S1-internal, S1-external, S2-internal, S2-external	12
Enterprise Architectures (ICT301)	Not available this year	3
Forensic Data Analysis (ICT349)	MURDOCH: S1-internal, S1-external KAPLAN-SGP: TJA-internal, TMA-internal SGP1: TJB-internal, TMB-internal	4
Foundations of Computer Systems (ICT170)	MURDOCH: S2-internal, S2-external	3
Foundations of Data Communications (ICT169)	MURDOCH: S2-internal, S2-external	3
Foundations of Programming (ICT159)	MURDOCH: S1-internal, S1-external	3
Fundamentals of Computer Systems (ICT106)	DUBAI-ISC: TJD-internal, TMD-internal	3
Game Development (ICT371)	Not available this year	3
Games Design and Programming (ICT290)	MURDOCH: S2-internal, S2-external	3
Games Development (ICT309)	MURDOCH: S1-internal, S1-external	4
Games Software Design (ICT288)	MURDOCH: S1-internal, S1-external	3
Games Software Production (ICT367)	Not available this year	3
Games Technology Project (ICT313)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	4
Honours Thesis in Business Information Systems (ICT520)	MURDOCH: S1-internal, S2-internal, Y-internal	12
Honours Thesis in Computer Science (ICT510)	MURDOCH: S1-internal, S2-internal, Y-internal	12
Honours Thesis in Cyber Forensics, Information Security and Management (ICT530)	Not available this year	12
Honours Thesis in Games Software Design and Production (ICT550)	Not available this year	12
Honours Thesis in Games Technology (ICT570)	Not available this year	12
Honours Thesis in Internetworking (ICT590)	Not available this year	12
Honours Thesis in Mobile and Web Application Development (ICT580)	Not available this year	12
Human Factors in Information Technology (ICT612)	MURDOCH: S1-internal	3
Human-Computer Interaction (ICT325)	MURDOCH: S1-internal, S1-external	4
Information Security Management (ICT357)	MURDOCH: S2-internal, S2-external DUBAI-ISC: TJD-internal KAPLAN-SGP: TJA-internal, TSA-internal SGP1: TJB-internal, TSB-internal	4
Information Security Policy and Governance (ICT380)	Not available this year	3
Information Systems Management (ICT292)	MURDOCH: S2-internal, S2-external	3
Information Systems Research Topic (ICT704)	MURDOCH: S1-internal, S2-internal	3
Information Technology Literature Review (ICT576)	MURDOCH: S1-internal, S2-internal	3
Information Technology Project (ICT333)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external DUBAI-ISC: TJD-internal, TMD-internal, TSD-internal KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal SGP1: TJB-internal, TMB-internal, TSB-internal	4
Information Technology Project Management (ICT508)	MURDOCH: S1-internal	3
Information Technology Research Dissertation (ICT678)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	12
Information Technology Research Methods (ICT615)	MURDOCH: S1-internal	3
Information Technology Strategy (ICT622)	MURDOCH: S2-internal	3
Intelligent Systems (ICT219)	MURDOCH: S2-internal, S2-external	4

Intelligent Systems (ICT319)	Not available this year	3
Intelligent Systems Applications (ICT619)	MURDOCH: S2-internal	3
Internet Systems Programming (ICT336)	MURDOCH: S1-internal, S1-external	4
Introduction to 3D Graphics and Animation (ICT101)	Not available this year	3
Introduction to Computer Science (ICT102)	DUBAI-ISC: TJD-internal, TSD-internal	3
Introduction to Data Communications (ICT103)	DUBAI-ISC: TJD-internal, TSD-internal	3
Introduction to Information Systems (ICT158)	MURDOCH: S2-internal, S2-external	3
Introduction to Information Technology (ICT105)	MURDOCH: S1-internal, S1-external DUBAI-ISC: TMD-internal	3
Introduction to Internet and Mobile Technologies (ICT108)	DUBAI-ISC: TMD-internal	3
Introduction to Server Environments and Architectures (ICT171)	MURDOCH: S1-internal, S1-external	3
IT Group Project (ICT621)	MURDOCH: S1-internal, S2-internal	6
IT Professional Practice (ICT521)	MURDOCH: S1-internal	3
Knowledge and Information Security (ICT265)	KAPLAN-SGP: TJA-internal	4
Knowledge Management (ICT505)	MURDOCH: S1-internal	3
Knowledge Management Techniques (ICT256)	DUBAI-ISC: TMD-internal KAPLAN-SGP: TJA-internal SGP1: TJB-internal	4
Local Area Network Design and Implementation (ICT546)	MURDOCH: S1-internal	3
Mobile Application Development (ICT376)	Not available this year	3
Network Design and Implementation (ICT291)	MURDOCH: S1-internal	3
Network Security (ICT362)	MURDOCH: S1-internal	4
Network Security (ICT377)	Not available this year	3
Network Switching (ICT363)	MURDOCH: S1-internal	4
Network Switching (ICT609)	MURDOCH: S1-internal	3
Networking Group Project (ICT623)	MURDOCH: S1-internal, S2-internal	6
Operating Systems and Systems Programming (ICT310)	MURDOCH: S2-internal, S2-external DUBAI-ISC: TSD-internal KAPLAN-SGP: TSA-internal	4
Operating Systems and Systems Programming (ICT374)	Not available this year	3
Principles of Computer Science (ICT104)	DUBAI-ISC: TJD-internal, TMD-internal KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal	3
Principles of Computer Science (ICT167)	MURDOCH: S2-internal, S2-external	3
Principles of Information Systems (ICT107)	DUBAI-ISC: TJD-internal, TSD-internal	3
Router and Firewall Security (ICT613)	MURDOCH: S1-internal	3
Security Architectures and Systems Administration (ICT379)	Not available this year	3
Software Architectures (ICT306)	MURDOCH: S1-internal, S1-external DUBAI-ISC: TJD-internal, TMD-internal KAPLAN-SGP: TMA-internal	4
Software Architectures (ICT373)	Not available this year	3
Software Development Frameworks (ICT239)	MURDOCH: S1-internal, S1-external DUBAI-ISC: TMD-internal	4
Software Development Frameworks (ICT365)	Not available this year	3
Special Topics in Information Technology (ICT228)	Topic not currently available	3
Special Topics in Information Technology (ICT330)	Topic not currently available	4
Special Topics in Information Technology (ICT560)	Topic not currently available	3
Special Topics in Information Technology (ICT660)	Topic not currently available	3
Systems Analysis and Design (ICT231)	DUBAI-ISC: TSD-internal KAPLAN-SGP: TJA-internal, TSA-internal SGP1: TJB-internal, TSB-internal	4
Systems Analysis and Design (ICT284)	MURDOCH: S1-internal, S1-external	3
User Interface Design (ICT396)	Not available this year	3
Virtual Environments for Games and Simulations (ICT312)	MURDOCH: S2-internal, S2-external	4
Virtual Environments for Games and Simulations (ICT398)	Not available this year	3
Web and Mobile Computing (ICT286)	MURDOCH: S2-internal, S2-external	3
Web Computing (ICT211)	DUBAI-ISC: TSD-internal	4
Wireless and Interactive Networks (ICT369)	Not available this year	3

Wireless Data Communications (ICT503)	MURDOCH: S1-internal	3
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### Interactive Digital Design

### Points

Advanced Web Design (IDD338)	Not available this year	3
Brand and Identity Design (IDD202)	MURDOCH: S1-internal	3
Honours Thesis in Graphic Design (IDD569)	MURDOCH: S1-internal, S2-internal, Y-internal	12
Honours Topic in Graphic Design A (IDD561)	MURDOCH: S1-internal, S2-internal, Y-internal	3
Honours Topic in Graphic Design B (IDD562)	MURDOCH: S1-internal, S2-internal, Y-internal	3
Introduction to Digital Media Skills (IDD129)	MURDOCH: S1-internal	3
Introduction to Graphic Design (IDD118)	MURDOCH: S2-internal	3
Mobile App and Interaction Design (IDD379)	Not available this year	3
Portfolio and Promotion for Designers (IDD337)	Not available this year	3
Publication Design (IDD201)	MURDOCH: S2-internal	3

### Japanese

### Points

Japanese 1 (JPN101)	MURDOCH: S1-internal	3
Japanese 2 (JPN102)	MURDOCH: S2-internal	3
Japanese 3 (JPN201)	MURDOCH: S1-internal	3
Japanese 4 (JPN202)	MURDOCH: S1-internal	3
Japanese 5 (JPN203)	MURDOCH: S2-internal	3
Japanese 6 (JPN301)	Not available this year	3
Japanese 7 (JPN302)	Not available this year	3
Japanese 8 (JPN303)	Not available this year	3
Japanese Advanced Language Project (JPN652)	Not available this year	3
Japanese IIIA (JPN363)	MURDOCH: S1-internal	4
Japanese IIIB (JPN364)	MURDOCH: S2-internal	4
Japanese Language Project (JPN452)	Not available this year	4
Love and Sexuality in Japan (JPN207)	MURDOCH: S2-internal, S2-external	3
Postwar Japan (JPN514)	Not available this year	3
Semester in Japan (JPN443)	MURDOCH: S1-internal, S2-internal	12
Semester in Japan (JPN543)	MURDOCH: S1-internal, S2-internal	12

### Journalism

### Points

Honours Thesis in Journalism (JOU569)	MURDOCH: S1-internal, S2-internal, Y-internal	12
Honours Topic in Journalism A (JOU561)	MURDOCH: S1-internal, S2-internal, Y-internal	3
Honours Topic in Journalism B (JOU562)	MURDOCH: S1-internal, S2-internal, Y-internal	3
Introduction to Journalism (JOU104)	MURDOCH: S2-internal	3
Media Law and Ethics (JOU245)	MURDOCH: S1-internal	3
Newsroom (JOU322)	Not available this year	3
Photo and Video Journalism (JOU367)	Not available this year	3
Politics, Journalism and Society (JOU340)	Not available this year	3
Web News Production (JOU217)	MURDOCH: S2-internal	3

### Kulbardi Aboriginal Centre

### Points

Big Ideas (KAC001)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	
iHealth (KAC004)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	
Understanding Your World (KAC003)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	
Your Writing Tool-kit (KAC002)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	

### Law (Undergraduate) 'LAW'

### Points

Admiralty Law (LAW355)	Not available this year	4
Advanced Clinical Legal Education (LAW385)	MURDOCH: S1-internal, S2-internal	4
Australian Administrative Law (LAW258)	MURDOCH: S1-internal	4
Celtic Law and Society (LAW236)	Not available this year	4
Civil Procedure (LAW450)	MURDOCH: S1-internal	4
Clinical Legal Education (LAW390)	MURDOCH: S1-internal, S2-internal	8
Commercial Law (LAW332)	MURDOCH: S2-internal	4
Comparative Contract Law (LAW349)	Not available this year	4
Conflict of Laws (LAW341)	Not available this year	4
Corporations Law (LAW452)	MURDOCH: S1-internal	4
Criminology (LAW304)	MURDOCH: S2-internal	4
Dispute Resolution (LAW321)	MURDOCH: S1-internal (closed as the offering has reached capacity)	4
Employment Relations Law (LAW363)	MURDOCH: S1-internal	4
Environmental, Sustainability and Climate Change Law (LAW356)	MURDOCH: T1-internal	4
Equity and Trusts (LAW351)	MURDOCH: S2-internal	4
Ethics and Professional Responsibility (LAW468)	MURDOCH: S2-internal	4
Evidence (LAW252)	MURDOCH: S2-internal	4
Family Law (LAW370)	MURDOCH: S2-internal	4
Family Law Clinic (LAW386)	MURDOCH: S1-internal, S2-internal	4
Human Rights Law Clinic (LAW387)	MURDOCH: S1-internal, S2-internal	4
Insurance Law (LAW319)	Not available this year	4
Introduction to the European Union and International Labour Market Law (LAW383)	Not available this year	4
Law in China: Continuity and Change (LAW457)	Not available this year	4
Law Moot (LAW312)	MURDOCH: H-internal (quota of 40 places), S1-internal (quota of 40 places), S2-internal (quota of 40 places)	4
Law of Occupational Health and Safety (LAW372)	Not available this year	4
Law of Planning (LAW367)	Not available this year	4
Legal Theory (LAW301)	MURDOCH: S1-internal	4
Mediation (LAW307)	MURDOCH: SP18-internal (quota of 50 places)	4
Mining and Natural Resources Law (LAW335)	MURDOCH: S1-internal	4
Moot Court Bench (LAW314)	MURDOCH: H-internal (quota of 14 places), Y-internal (quota of 14 places)	4
Native Title Law (LAW305)	MURDOCH: S2-internal	4
Oil and Gas Law (LAW392)	MURDOCH: SUM-internal	4
Psychology and Law (LAW309)	MURDOCH: S2-internal	4
Public International Law (LAW365)	MURDOCH: SP17-internal	4
Sentencing and Penology (LAW320)	MURDOCH: S1-internal	4
Shipping Law (LAW339)	MURDOCH: S2-internal	4
Social and Welfare Law (LAW323)	MURDOCH: S2-internal	4
Special Topics in Law (LAW300)	Topic not currently available	4
Succession Law (LAW345)	Not available this year	4
Supervised Legal Research (LAW381)	MURDOCH: S1-internal, S2-internal, SUM-internal	4
Trial Advocacy (LAW328)	MURDOCH: SP23-internal (quota of 60 places)	4
Willem C Vis International Commercial Arbitration Moot (LAW315)	MURDOCH: H-internal (quota of 5 places)	4

### Law (Undergraduate) 'LLB'

### Points

Admiralty Law (LLB355)	Not available this year	3
Advanced Civil Procedure (LLB451)	Not available this year	3
Advanced Clinical Legal Education (LLB385)	Not available this year	3
Australian Administrative Law (LLB358)	Not available this year	3
Celtic Law and Society (LLB396)	Not available this year	3
Civil Procedure (LLB450)	Not available this year	3
Clinical Legal Education (LLB390)	Not available this year	3
Commercial Law (LLB332)	Not available this year	3
Comparative Contract Law (LLB349)	Not available this year	3

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Comparative Law (LLB325)	IMACERATA: S2G-internal (quota of 35 places)	3
Conflict of Laws (LLB341)	Not available this year	3
Constitutional Law (LLB259)	MURDOCH: S2-internal	3
Contract Law (LLB260)	MURDOCH: S1-internal	3
Corporations Law (LLB452)	Not available this year	3
Criminal Law and Procedure (LLB130)	MURDOCH: S2-internal	3
Dispute Resolution (LLB391)	Not available this year	3
Employment Relations Law (LLB363)	Not available this year	3
Environmental, Sustainability and Climate Change Law (LLB356)	Not available this year	3
Equity (LLB251)	MURDOCH: S1-internal	3
Ethics and Professional Responsibility (LLB468)	Not available this year	3
European Union Law (LLB342)	IMACERATA: S2G-internal	3
Evidence (LLB352)	Not available this year	3
Family Law (LLB370)	Not available this year	3
Family Law Clinic (LLB386)	Not available this year	3
Honours Thesis in Law (LLB580)	MURDOCH: H-internal, Y-internal	12
Human Rights Law Clinic (LLB387)	Not available this year	3
Insurance Law (LLB319)	Not available this year	3
Intellectual Property and the Internet (LLB379)	MURDOCH: SUM-internal	3
International Human Rights Organisations (LLB376)	GENEVA: S2G-internal	3
International Trade Law (LLB311)	IMACERATA: S2G-internal (quota of 35 places)	3
Internships (WIL) (LLB301)	MURDOCH: S1-internal, S2-internal	3
Introduction to Australian and International Intellectual Property (LLB375)	MURDOCH: S2G-internal	3
Introduction to the European Union and International Labour Market Law (LLB383)	Not available this year	3
Law in China: Continuity and Change (LLB457)	Not available this year	3
Law Moot (LLB312)	Not available this year	3
Law of Occupational Health and Safety (LLB372)	Not available this year	3
Law of Planning (LLB367)	Not available this year	3
Legal Protection of International Human Rights (LLB337)	MURDOCH: S1-internal GENEVA: S2G-internal	3
Legal Research Methods for Honours (LLB582)	MURDOCH: H-internal, Y-internal	3
Legal Writing for Lawyers (LLB120)	MURDOCH: S1-internal	3
Mediation (LLB397)	Not available this year	3
Mining and Natural Resources Law (LLB335)	Not available this year	3
Moot Court Bench (LLB314)	Not available this year	3
Native Title Law (LLB305)	Not available this year	3
Negotiation (LLB398)	Not available this year	3
Oil and Gas Law (LLB392)	Not available this year	3
Property Law A (LLB253)	MURDOCH: S1-internal	3
Property Law B (LLB254)	MURDOCH: S2-internal	3
Psychology and Law (LLB389)	Not available this year	3
Public International Law (LLB365)	Not available this year	3
Refugee Law (LLB327)	GENEVA: S2G-internal	3
Shipping Law (LLB339)	Not available this year	3
Social and Welfare Law (LLB323)	Not available this year	3
Succession Law (LLB345)	Not available this year	3
Supervised Legal Research (LLB381)	GENEVA: S2G-internal IMACERATA: S2G-internal	3
Torts (LLB152)	MURDOCH: S2-internal	3
Trial Advocacy (LLB328)	Not available this year	3
Trusts (LLB353)	Not available this year	3
Victimology and Restorative Justice (LLB284)	MURDOCH: S2G-internal	3
Willem C Vis International Commercial Arbitration Moot (LLB315)	Not available this year	3

## Mathematics and Statistics

## Points

Applied Mathematics (MAS182)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	3
Applied Statistics (MAS223)	MURDOCH: S1-internal, S1-external	3
Biostatistical Methods (MAS224)	MURDOCH: S2-internal, S2-external	3
Calculus and Matrix Algebra (MAS161)	MURDOCH: S2-internal, S2-external	3
Computational Mathematics (MAS167)	DUBAI-ISC: TJD-internal, TSD-internal	3
Environmental and Biological Modelling (MAS305)	MURDOCH: S1-internal, S1-external	4
Environmental and Biological Modelling (MAS351)	Not available this year	3
Foundations of Discrete Mathematics (MAS162)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	3
Fundamentals of Mathematics (MAS164)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	3
Honours Thesis in Mathematics and Statistics (MAS519)	MURDOCH: S1-internal, S2-internal	12
Honours Topic in Advanced Numerical Analysis (MAS513)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	3
Honours Topic in Mathematics (MAS512)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	3
Honours Topic in Statistics (MAS511)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	3
Introduction to Statistics (MAS180)	MURDOCH: S1-external, S2-external DUBAI-ISC: TMD-internal	3
Mathematical Methods (MAS220)	MURDOCH: S1-internal, S1-external	3
Mathematical Modelling (MAS221)	MURDOCH: S2-internal, S2-external	3
Modelling and Simulation (MAS354)	Not available this year	3
Modelling and Simulation (MAS375)	MURDOCH: S2-internal, S2-external	4
Probability and Statistical Inference (MAS222)	MURDOCH: S1-internal, S1-external	3
Statistical Data Analysis (MAS183)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	3
Statistical Design and Data Analysis (MAS353)	Not available this year	3
Statistical Design and Data Analysis (MAS374)	MURDOCH: S2-internal, S2-external	4
Time Series and Multivariate Analysis (MAS352)	Not available this year	3
Time Series and Multivariate Analysis (MAS368)	MURDOCH: S1-internal, S1-external	4

## Media Communication and Culture

## Points

3D Animation (MCC265)	MURDOCH: S2-internal	4
Advanced Media Projects (MCC538)	MURDOCH: S1-internal, S2-internal, Y-internal	12
Advanced Screen Production (MCC302)	MURDOCH: S2-internal (quota of 60 places) DUBAI-ISC: TMD-internal	4
Advanced Topic in Media Production (MCC5101)	MURDOCH: S1-internal, S2-internal	3
Advanced Topic in Media Production (MCC5102)	MURDOCH: S1-internal, S2-internal	3
Campaign Management (MCC307)	MURDOCH: S2-internal DUBAI-ISC: TJD-internal, TSD-internal KAPLAN-SGP: TJA-internal, TSA-internal SGP1: TJB-internal, TSB-internal	4
Children and the Media (MCC321)	Not available this year	4
Communication Projects (MCC316)	MURDOCH: S1-internal, S2-internal	4
Communication Research (MCC213)	DUBAI-ISC: TMD-internal KAPLAN-SGP: TMA-internal SGP1: TMB-internal	4
Cultural and Media Policy (MCC337)	MURDOCH: S1-internal, S1-external KAPLAN-SGP: TJA-internal, TSA-internal SGP1: TJB-internal, TSB-internal	4
Digital Video (MCC340)	KAPLAN-SGP: TSA-internal	4
Documentary (MCC333)	DUBAI-ISC: TMD-internal KAPLAN-SGP: TMA-internal SGP1: TMB-internal	4
Drawing Studio (MCC273)	MURDOCH: S2-internal	4

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Games Design Studio (MCC375)	MURDOCH: S1-internal	4
Games Project (MCC362)	MURDOCH: S2-internal	4
Interaction Design (MCC379)	MURDOCH: S1-internal	4
Introduction to Communication and Media (MCC108)	DUBAI-ISC: TMD-internal	3
Introduction to Journalism (MCC104)	DUBAI-ISC: TJD-internal, TSD-internal	3
Introduction to Public Relations (MCC107)	DUBAI-ISC: TJD-internal, TSD-internal	3
Introduction to Radio and Sound Production (MCC105)	DUBAI-ISC: TJD-internal, TSD-internal	3
Introduction to the Screen (MCC116)	DUBAI-ISC: TJD-internal, TSD-internal	3
Issues and Crisis Management (MCC345)	MURDOCH: S1-internal DUBAI-ISC: TMD-internal KAPLAN-SGP: TMA-internal SGP1: TMB-internal	4
Managing Communication (MCC687)	MURDOCH: S2-internal	3
Master of Arts by Coursework Dissertation (MCC650)	MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	12
Masters Coursework Production (MCC651)	MURDOCH: H-internal, S1-internal, S2-internal, Y-internal	12
Masters Topic in Media Production (MCC6101)	MURDOCH: H-internal, S1-internal, S2-internal, SUM-internal, Y-internal	6
Masters Topic in Media Production (MCC6102)	MURDOCH: H-internal, S1-internal, S2-internal, SUM-internal, Y-internal	6
Media and Globalisation (MCC314)	MURDOCH: S2-internal, S2-external KAPLAN-SGP: TJA-internal, TSA-internal SGP1: TJB-internal, TSB-internal	4
Media Audiences and the Public (MCC236)	DUBAI-ISC: TJD-internal, TSD-internal KAPLAN-SGP: TJA-internal, TSA-internal SGP1: TJB-internal, TSB-internal	4
Media Law and Ethics (MCC245)	DUBAI-ISC: TJD-internal, TSD-internal SGP1: TJB-internal, TSB-internal	4
Media Production Seminar (MCC533)	MURDOCH: S1-internal, S2-internal	3
Media Projects (MCC312)	MURDOCH: S1-internal, S2-internal DUBAI-ISC: TJD-internal, TSD-internal	4
Media Relations (MCC259)	DUBAI-ISC: TJD-internal, TSD-internal KAPLAN-SGP: TJA-internal, TSA-internal SGP1: TJB-internal, TSB-internal	4
Multimedia Client Project (MCC338)	MURDOCH: S1-internal	4
Multimedia Studio (MCC339)	MURDOCH: S2-internal	4
New Media Technologies (MCC315)	MURDOCH: S2-internal, S2-external KAPLAN-SGP: TMA-internal SGP1: TMB-internal	4
Newsroom (MCC323)	MURDOCH: S2-internal DUBAI-ISC: TJD-internal, TSD-internal SGP1: TJB-internal, TSB-internal	4
People and Globalisation (MCC386)	MURDOCH: S2-internal, S2-external	4
Photo and Video Journalism (MCC267)	MURDOCH: S1-internal (quota of 80 places) DUBAI-ISC: TMD-internal SGP1: TMB-internal	4
Photography and Digital Imaging (MCC124)	DUBAI-ISC: TMD-internal	3
Politics, Journalism and Society (MCC240)	MURDOCH: S2-internal DUBAI-ISC: TMD-internal SGP1: TMB-internal	4
Professional Development in Screen Production (MCC201)	DUBAI-ISC: TJD-internal, TSD-internal	4
Professional Placement (MCC325)	MURDOCH: S1-placement, S2-placement, SUM-placement, W-placement	4
Professional Placement in Media Production (MCC625)	MURDOCH: S1-placement, S2-placement, SUM-placement, W-placement	3



Public Relations in Society (MCC385)	DUBAI-ISC: TMD-internal KAPLAN-SGP: TMA-internal SGP1: TMB-internal	4
Public Relations: Contemporary Approaches (MCC204)	DUBAI-ISC: TJD-internal, TSD-internal KAPLAN-SGP: TJA-internal, TSA-internal SGP1: TJB-internal, TSB-internal	4
Screen Production 2 (MCC226)	DUBAI-ISC: TMD-internal	4
Screen Production I (MCC128)	DUBAI-ISC: TMD-internal	3
Screen Texts (MCC248)	KAPLAN-SGP: TMA-internal SGP1: TMB-internal	4
Screen Texts (MCC2481)	DUBAI-ISC: TMD-internal	4
Sound Design (MCC376)	MURDOCH: S1-internal	4
Soundtrack (MCC377)	MURDOCH: S2-internal	4
Special Topics in Cultural Studies (MCC570)	Topic not currently available	4
Special Topics in Media (MCC2601)	Topic not currently available	4
Special Topics in Media Production (MCC260)	Topic not currently available	4
Web Design (MCC263)	KAPLAN-SGP: TJA-internal, TSA-internal	4
Web News Production (MCC217)	DUBAI-ISC: TMD-internal SGP1: TMB-internal	4
Web Strategy (MCC278)	KAPLAN-SGP: TJA-internal, TSA-internal	4

## Nursing

## Points

Acute Care 1 (NUR203)	PEEL: S1N-internal	4
Acute Care 2 (NUR205)	PEEL: S2N-internal	4
Advanced Mental Health Nursing (NUR614)	Not available this year	3
Applied Psychology for Nursing Practice (NUR258)	PEEL: S2N-internal	3
Clinical Practice 1: Aged Care (NUR151)	PEEL: W6-placement	1
Clinical Practice 2: Medical/Primary Health/Aged Care/Medical Rehabilitation (NUR155)	PEEL: SS2-placement	1
Clinical Practice 3: Medical/Surgical/Mental Health/Primary Health (NUR257)	PEEL: W6-placement	1
Clinical Practice 4: Medical/Surgical/Mental Health/Paediatrics/Maternity/Primary Health/Community Paediatrics (NUR262)	PEEL: SS2-placement	1
Clinical Practice 5 (NUR366)	PEEL: S2N-placement	3
Clinical Practice 6 (NUR367)	PEEL: S2N-placement	3
Complex Care (NUR305)	PEEL: S1N-internal	4
Contemporary Nursing Management of Mental Illness (NUR206)	PEEL: S1N-internal	4
Contemporary Nursing Practice (NUR103)	PEEL: S1N-internal	3
Health Research and Evidence Based Nursing Care (NUR363)	PEEL: S1N-internal	4
Honours Thesis in Nursing (NUR569)	PEEL: S1-internal, S2-internal	21
Human Structure and Function 1 (NUR149)	PEEL: S1N-internal	3
Human Structure and Function 2 (NUR154)	MURDOCH: S2N-internal PEEL: S2N-internal	3
Indigenous Health (NUR152)	PEEL: S2N-internal	3
Introduction to Nursing Practice (NUR100)	PEEL: S1N-internal	3
Maternal, Child and Adolescent Nursing Care (NUR259)	PEEL: S2N-internal	4
Medication Management for Nursing (NUR256)	PEEL: S1N-internal	4
Nursing Health Assessment and Physical Examination (NUR105)	PEEL: S2N-internal	3
Nursing Management of Chronic Illness (NUR364)	PEEL: S1N-internal	4
Primary Health Care (NUR153)	PEEL: S2N-internal	3
Professional Issues in Nursing Practice (NUR365)	PEEL: S2N-internal	3

## Other University

## Points

Biosecurity Plant Pests - Invertebrates (University of Queensland) (OTH541)	3
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Biosecurity Plant Pests - Pathogens (La Trobe University BOT5BPP) (OTH542)	3
Biosecurity Plant Pests - Weeds (University of Adelaide PLANT SC 7023EX) (OTH543)	3
Community Engagement (Charles Darwin University SBI401) (OTH546)	3
Invasion Biology (University of Adelaide PLANT SC 7022EX) (OTH544)	3
Risk Analysis (University of Adelaide) (OTH545)	3

## Philosophy

## Points

Aesthetics (PHL315)	Not available this year	3
Ancient Greek Ideas (PHL216)	MURDOCH: S1-internal, S1-external	4
Ancient Greek Ideas (PHL316)	Not available this year	3
Applied and Professional Ethics (PHL210)	Not available this year	3
Critical and Creative Thinking (PHL131)	MURDOCH: S1-internal, S1-external	3
Critical Metaphysics (PHL205)	MURDOCH: S1-internal, S1-external	3
Existence and Freedom (PHL207)	Not available this year	3
Honours Dissertation Preliminary (PHL569)	MURDOCH: S1-internal, S2-internal, Y-internal	3
Honours Thesis in Philosophy (PHL589)	MURDOCH: S1-internal, S2-internal	12
Honours Topic in Philosophy (PHL582)	MURDOCH: S1-internal, S2-internal, Y-internal	3
Introduction to Philosophy (PHL130)	MURDOCH: S2-internal, S2-external	3
Life, Death and Meaning (PHL277)	MURDOCH: S1-internal, S1-external	4
Life, Death and Meaning (PHL377)	Not available this year	3
Love and Friendship (PHL212)	Not available this year	3
Meaning and Interpretation (PHL217)	MURDOCH: S2-internal, S2-external	4
Meaning and Interpretation (PHL317)	Not available this year	3
Moral and Political Philosophy (PHL206)	Not available this year	3
Special Topics in Philosophy (PHL283)	Topic not currently available	3
Special Topics in Philosophy (PHL383)	Topic not currently available	3
Theories of Mind (PHL209)	MURDOCH: S2-internal, S2-external	3

## Photography

## Points

Advanced Photographic Studio (PHO306)	Not available this year	3
Digital Imaging (PHO101)	MURDOCH: S2-internal (quota of 70 places)	3
Honours Thesis in Photography (PHO569)	MURDOCH: S1-internal, S2-internal, Y-internal	12
Honours Topic in Photography A (PHO561)	MURDOCH: S1-internal, S2-internal, Y-internal	3
Honours Topic in Photography B (PHO562)	MURDOCH: S1-internal, S2-internal, Y-internal	3
Media Projects (PHO312)	Not available this year	3
Photo Documentary (PHO202)	MURDOCH: S2-internal	3
Photographic Culture (PHO305)	Not available this year	3
Photography 1 (PHO124)	MURDOCH: S1-internal (quota of 120 places), S2-internal (quota of 120 places)	3
Photography 2 (PHO203)	MURDOCH: S1-internal	3
Visual Literacy (PHO204)	MURDOCH: S1-internal	3

## Physics and Energy Studies

## Points

Advanced Topics in Physics and Nanotechnology: Experimental (PEN523)	MURDOCH: S2-internal, S2-external	3
Advanced Topics in Physics and Nanotechnology: Theoretical (PEN530)	MURDOCH: S1-internal, S1-external	3
Applications of Nanotechnology (PEN261)	MURDOCH: S1-internal, S1-external	3
Case Studies of Renewable Energy Systems (PEN620)	MURDOCH: S2-internal, S2-external	3
Electricity Markets (PEN627)	MURDOCH: S2-internal, S2-external	3
Electromagnetism (PEN332)	Not available this year	3

Energy and Greenhouse Reporting (PEN501)	MURDOCH: S1-internal, S1-external	3
Energy Economics (PEN593)	MURDOCH: S1-internal, S1-external	3
Energy Efficiency, System Analysis and Auditing (PEN625)	MURDOCH: S2-external, Y-external	3
Energy Efficient Buildings (PEN670)	MURDOCH: S1-internal, S1-external	3
Energy in Society (PEN592)	MURDOCH: S1-internal, S1-external, S2-external	3
Energy Management (PEN594)	MURDOCH: S1-internal, S1-external	3
Energy Policy (PEN591)	MURDOCH: S2-internal, S2-external	3
Energy Studies Project (PEN596)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	3
Energy Systems (PEN590)	MURDOCH: S2-internal, S2-external	3
Experimental Physics and Nanotechnology (PEN363)	Not available this year	3
General Physics (PEN120)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	3
Greenhouse Science and Policy (PEN632)	MURDOCH: H-external, S1-internal, S1-external	3
Honours Thesis in Physics and Nanotechnology (PEN589)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	12
Honours Thesis in Physics and Nanotechnology (PEN599)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	15
Industrial and Commercial Energy Efficiency Technologies (PEN626)	MURDOCH: S2-external	3
Introduction to Energy Studies (PEN190)	MURDOCH: S2-internal, S2-external	3
Life Cycle Assessment (PEN611)	MURDOCH: S2-internal, S2-external	3
Modern Physics (PEN231)	MURDOCH: S1-internal, S1-external	3
Physics and Nanotechnology Projects (PEN307)	Not available this year	3
Physics of Materials (PEN317)	Not available this year	3
Principles of Physics (PEN152)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	3
Renewable Energy and Sustainable Development (PEN587)	MURDOCH: S2-internal, S2-external	3
Renewable Energy Devices (PEN621)	MURDOCH: S1-internal, S1-external	3
Renewable Energy Dissertation (PEN624)	MURDOCH: H-internal, H-external, Y-internal, Y-external	12
Renewable Energy Resources (PEN622)	MURDOCH: S1-internal, S1-external	3
Renewable Energy Systems Design (PEN623)	MURDOCH: S1-internal, S1-external	3
Thermodynamics for Physics and Nanotechnology (PEN202)	MURDOCH: S2-internal, S2-external	3

### Physics, Energy Studies and Chemistry

### Points

Environmental Architecture Dissertation (PEC673)	MURDOCH: Y-internal, Y-external	9
Experimental Physics and Nanotechnology (PEC363)	MURDOCH: S2-internal, S2-external	4
Physical Sciences Internship (PEC310)	MURDOCH: S1-internal, S2-internal, Y-internal	12
Physics and Nanotechnology Projects (PEC307)	MURDOCH: S1-internal, S2-internal, Y-internal	4
Physics of Materials (PEC317)	MURDOCH: S2-internal, S2-external	4
Special Topics in Energy Studies (PEC597)	Topic not currently available	4
Thermodynamics for Physics and Nanotechnology (PEC302)	MURDOCH: S2-internal, S2-external	4

### Politics and International Studies

### Points

Australian Foreign and Security Policy (POL239)	MURDOCH: S1-internal, S1-external	4
Australian Foreign and Security Policy (POL344)	Not available this year	3
Controversies in Australian Politics (POL227)	MURDOCH: S1-internal, S1-external	3
Democracy and Political Change (POL257)	MURDOCH: S2-internal, S2-external	4
Environmental Politics (POL285)	Not available this year	4
Environmental Politics (POL385)	Not available this year	3
Governance and Politics in the 21st Century (POL341)	Not available this year	3
Government Agencies in a Changing World (POL250)	Not available this year	4
Government Agencies in a Changing World (POL343)	Not available this year	3
Honours Research Seminar (POL501)	MURDOCH: S1-internal, S1-external	6
Honours Thesis in Politics and International Studies (POL579)	MURDOCH: S1-internal, S2-internal	12
Honours Topic in Politics and International Studies (POL500)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external	3

Students who have successfully completed a unit may not enrol for credit in any subsequent version of that unit, even if under a different code and/or title, nor in any parallel lower- or higher-level version. Students enrolled in a higher-level version of a unit are required to demonstrate advanced analytical skills and/or use of advanced research tools in assignments modified for that level.

International Political Economy (POL298)	MURDOCH: S2-internal, S2-external	3
International Relations Theory and Practice (POL224)	MURDOCH: S1-internal, S1-external	3
International Security Studies (POL291)	Not available this year	4
International Security Studies (POL345)	Not available this year	3
Introduction to Politics (POL133)	MURDOCH: S1-internal, S1-external	3
Mediated Politics (POL231)	Not available this year	3
Parliamentary and Public Sector Internship (POL322)	MURDOCH: S2-internal	8
Parliamentary and Public Sector Internship (POL340)	Not available this year	6
Perspectives on Security and Terrorism (POL192)	MURDOCH: S1-internal, S1-external	3
Political Philosophy for Fun and Profit (POL342)	Not available this year	3
Politics and Security in South Asia (POL237)	Not available this year	3
Politics and Security in South-East Asia: Terrorists, Gangsters and the State (POL213)	Not available this year	4
Politics and Security in South-East Asia: Terrorists, Gangsters and the State (POL338)	Not available this year	3
Public Policy Analysis (POL246)	MURDOCH: S2-internal, S2-external	3
Public Policy Analysis (POL330)	KAPLAN-SGP: TJA-internal, TSA-internal	4
Regional Rivals: China and Its Neighbours (POL212)	Not available this year	4
Regional Rivals: China and Its Neighbours (POL312)	Not available this year	3
Security and Terrorism in India (POL314)	Not available this year	4
Sex and Gender Matters (POL226)	MURDOCH: S2-internal, S2-external	3
Special Topics in Politics and International Studies (POL219)	Topic not currently available	3
States and Nationalisms (POL260)	Not available this year	4
Terrorism in a Globalised World (POL234)	MURDOCH: S1-internal, S1-external	3
The European Union in the New Millennium: Challenges of Integration (POL225)	Not available this year	4
Understanding International Politics (POL161)	MURDOCH: S2-internal, S2-external	3
US Policies and Global Security (POL236)	MURDOCH: S1-internal, S1-external	3

## Psychology

## Points

Advanced Psychological Assessment (PSY598)	MURDOCH: S1-internal	3
Applied Psychology Dissertation (PSY690)	MURDOCH: S1-internal, S2-internal, Y-internal	10
BA Honours Thesis in Psychology (PSY5078)	MURDOCH: H-internal, S1-internal, S2-internal, SUM-internal, W-internal, Y-internal	15
BPsych Practical Placements (PSY444)	MURDOCH: S1-placement (quota of 30 places), S2-placement (quota of 30 places)	4
BSc Honours Thesis in Psychology (PSY5099)	MURDOCH: H-internal, S1-internal, S2-internal, SUM-internal, W-internal, Y-internal	15
Clinical Psychology: Developmental Disabilities (PSY567)	MURDOCH: S2-internal	3
Clinical Psychology: External Practicum (PSY604)	MURDOCH: S1-placement, S2-placement, SUM-placement, Y-placement	12
Clinical Psychology: Internal Practicum (Adult) (PSY538)	MURDOCH: SUM-placement, Y-placement	3
Clinical Psychology: Internal Practicum (Child, Youth and Family) (PSY537)	MURDOCH: SUM-placement, Y-placement	3
Clinical Psychology: Working with Adults (PSY565)	MURDOCH: S1-internal	3
Clinical Psychology: Working with Children and Families (PSY664)	MURDOCH: S1-internal	3
Clinical Psychology: Working with Health Problems (PSY502)	MURDOCH: S2-internal	3
Doctor of Psychology (Clinical): Practicum I (PSY703)	MURDOCH: S1-placement, S2-placement, SUM-placement, Y-placement	6
Doctor of Psychology (Clinical): Practicum II (PSY704)	MURDOCH: S1-placement, S2-placement, SUM-placement, Y-placement	6
Doctor of Psychology (Organisational): Practicum I (PSY701)	MURDOCH: S1-placement, S2-placement, Y-placement	6
Doctor of Psychology (Organisational): Practicum II (PSY702)	MURDOCH: S1-placement, S2-placement, SUM-placement, Y-placement	6
Doctor of Psychology Thesis (PSY700)	MURDOCH: S1-internal, S2-internal, SUM-internal, Y-internal	48
Graduate Seminar in Psychology (PSY599)	MURDOCH: S1-internal	3

Honours Thesis in Psychology (PSY4039)	MURDOCH: S1-internal, S2-internal	12
Human Resources (PSY568)	MURDOCH: S1-external	3
Introduction to Applications of Psychology (PSY171)	KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal	3
Introduction to Cultural and Community Psychology (PSY101)	MURDOCH: S1-internal	3
Introduction to Psychological Health and Wellbeing (PSY172)	MURDOCH: S2-internal	3
Introduction to Psychological Research Methods (PSY173)	MURDOCH: S2-internal	3
	KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal	
Introduction to Psychological Science (PSY141)	MURDOCH: S1-internal, S2-internal	3
	KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal	
Organisation of Work (PSY552)	MURDOCH: S2-external	3
Organisational Psychology: Practicum I (PSY570)	MURDOCH: S2-placement	3
Organisational Psychology: Practicum II (PSY603)	MURDOCH: S1-placement, S2-placement, SUM-placement, Y-placement	12
Professional Practice and Organisational Consulting (PSY563)	MURDOCH: S1-external	3
Professional Psychology: Practicum 1 (Pre-clinical) (PSY601)	MURDOCH: S1-internal, S1-placement, SUM-placement, Y-placement	3
Professional Psychology: Practicum 1 (Professional) (PSY605)	MURDOCH: S1-placement, SUM-placement, Y-placement	3
Professional Psychology: Practicum 1 (Workplace Internship) (PSY607)	MURDOCH: S1-placement, SUM-placement, Y-placement	3
Professional Psychology: Practicum 2 (Pre-clinical) (PSY602)	MURDOCH: S2-placement, SUM-placement, Y-placement	3
Professional Psychology: Practicum 2 (Professional) (PSY606)	MURDOCH: S2-placement, SUM-placement, Y-placement	3
Professional Psychology: Practicum 2 (Workplace Internship) (PSY608)	MURDOCH: S2-placement, SUM-placement, Y-placement	3
Professional Psychology: Research Project (PSY610)	MURDOCH: Y-internal	3
Psychological Assessment: Theory and Method (PSY662)	MURDOCH: Y-internal	3
Psychology Project (PSY541)	MURDOCH: H-internal, Y-internal	12
Psychology: Abnormal Behaviour (PSY213)	MURDOCH: S2-internal	4
	KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal	
Psychology: Abnormal Behaviour (PSY388)	Not available this year	3
Psychology: Advanced Qualitative Research Methods (PSY391)	Not available this year	3
Psychology: Advanced Quantitative Research Methods (PSY311)	MURDOCH: S1-internal	4
	KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal	
Psychology: Advanced Research Methods (PSY655)	MURDOCH: Y-internal	2
Psychology: Advanced Research Methods (PSY651)	MURDOCH: Y-internal	3
Psychology: Advanced Research Methods (PSY755)	MURDOCH: Y-internal	0
Psychology: Biological Bases of Behaviour (PSY251)	MURDOCH: S1-internal	3
Psychology: Biological Bases of Behaviour (PSY351)	MURDOCH: S1-internal	4
	KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal	
Psychology: Cognitive and Developmental Neuroscience (PSY396)	MURDOCH: S2-internal	3
Psychology: Cognitive Processes (PSY294)	MURDOCH: S1-internal	3
Psychology: Cognitive Processes (PSY353)	MURDOCH: S1-internal	4
	KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal	
Psychology: Drugs and Dependence (PSY215)	MURDOCH: S1-internal	4
Psychology: Drugs and Dependence (PSY389)	Not available this year	3
Psychology: Family Relations and Social Development (PSY356)	MURDOCH: S2-internal	4
Psychology: Family Relations and Social Development (PSY392)	Not available this year	3
Psychology: Fourth Year Project (PSY441)	MURDOCH: H-internal, Y-internal	8
Psychology: Fourth Year Seminar (PSY412)	MURDOCH: S1-internal	4
Psychology: Honours Seminar (PSY411)	Not available this year	4
Psychology: Honours Seminar (PSY501)	MURDOCH: S1-internal	3
Psychology: Human Development (PSY247)	KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal	4
Psychology: Human Development (PSY286)	MURDOCH: S2-internal	3
Psychology: Industrial and Organisational Issues (PSY434)	MURDOCH: S2-internal	4
Psychology: Measurement, Design and Analysis (PSY212)	KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal	4
Psychology: Practical Placement (PSY544)	MURDOCH: S1-placement (quota of 30 places), S2-placement (quota of 30 places), W-placement (quota of 10 places)	3

Psychology: Principles and Processes of Interventions (PSY436)	MURDOCH: S2-internal	4
Psychology: Principles and Processes of Psychological Intervention (PSY536)	MURDOCH: S2-internal	3
Psychology: Principles of Psychological Assessment (PSY431)	MURDOCH: S1-internal	4
Psychology: Psychological Research Placement (PSY380)	MURDOCH: S1-placement, S2-placement, Y-placement	4
Psychology: Research Topics in Psychology (PSY250)	Not available this year	4
Psychology: Safety, Errors and Accidents (PSY357)	KAPLAN-SGP: TMA-internal	4
Psychology: Self and Society (PSY287)	MURDOCH: S2-internal	3
Psychology: Sensation and Perception (PSY297)	MURDOCH: S2-internal	3
Psychology: Social Bases of Behaviour (PSY248)	KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal	4
Psychology: Social Bases of Behaviour (PSY285)	MURDOCH: S1-internal	3
Psychology: The Developing Mind (PSY249)	MURDOCH: S1-internal	4
Psychology: The Developing Mind (PSY393)	Not available this year	3
Psychology: Work and Organisations (PSY217)	KAPLAN-SGP: TJA-internal, TSA-internal	4
Psychotherapy in Practice (PSY669)	MURDOCH: Y-internal	3
Research Studies -- Psychology (PSY920)	MURDOCH: R1-internal, R2-internal, RAU-internal	12
Work and Well-being (PSY612)	MURDOCH: S2-external	3

## Public Relations

## Points

Campaign Management (PRO307)	Not available this year	3
Honours Thesis in Public Relations (PRO569)	MURDOCH: S1-internal, S2-internal, Y-internal	12
Honours Topic in Public Relations A (PRO561)	MURDOCH: S1-internal, S2-internal, Y-internal	3
Honours Topic in Public Relations B (PRO562)	MURDOCH: S1-internal, S2-internal, Y-internal	3
Introduction to Public Relations (PRO107)	MURDOCH: S1-internal	3
Introduction to Social Media (PRO101)	MURDOCH: S2-internal	3
Issues and Crisis Management (PRO345)	Not available this year	3
Media Relations (PRO259)	MURDOCH: S1-internal	3
Public Relations in Society (PRO285)	MURDOCH: S1-internal, S1-external	3
Public Relations Project (PRO302)	Not available this year	3
Public Relations Strategy (PRO204)	MURDOCH: S2-internal	3

## Radio

## Points

Communication Projects (RAD316)	Not available this year	3
Creative Radio (RAD301)	Not available this year	3
Honours Thesis in Radio (RAD569)	MURDOCH: S1-internal, S2-internal, Y-internal	12
Honours Topic in Radio A (RAD561)	MURDOCH: S1-internal, S2-internal, Y-internal	3
Honours Topic in Radio B (RAD562)	MURDOCH: S1-internal, S2-internal, Y-internal	3
Introduction to Radio (RAD105)	MURDOCH: S2-internal (quota of 80 places)	3
Popular Music (RAD374)	MURDOCH: S2-internal	3
Radio Presenting and Producing (RAD244)	MURDOCH: S1-internal (quota of 40 places)	6

## Religion

## Points

Approaches to the Study of Religion (REL202)	MURDOCH: S2-internal, S2-external	3
Biblical Hebrew I (REL207)	MURDOCH: S1-internal, S1-external	3
Biblical Hebrew II (REL208)	MURDOCH: S2-internal, S2-external	3
Death and the Afterlife in Ancient Egypt and Mesopotamia (REL203)	MURDOCH: S2-internal, S2-external	3
Honours Thesis in Religion (REL569)	MURDOCH: S1-internal, S2-internal, Y-internal	12
Honours Topic in Religion A (REL561)	MURDOCH: S1-internal, S2-internal, Y-internal	3
Honours Topic in Religion B (REL562)	MURDOCH: S1-internal, S2-internal, Y-internal	3
Introduction to the Bible (REL204)	Not available this year	3
Mysteries, Magic, and Myths (REL205)	MURDOCH: S1-internal, S1-external	3
New Testament Greek I (REL209)	Not available this year	3
New Testament Greek II (REL210)	Not available this year	3
Seminar in the Study of Religion (REL311)	Not available this year	3

Wisdom from the Ancient Near East (REL312)	Not available this year	3
World Religions (REL101)	MURDOCH: S2-internal, S2-external	3
World Religions in Historical Encounter (REL306)	Not available this year	3

**School of Arts****Points**

Advanced Research Methods (ART604)	MURDOCH: S1-internal, S1-external	3
Honours Seminar in Arts (ART503)	MURDOCH: S1-internal	3
In-Country Studies Indonesia (ART307)	Not available this year	6
In-Country Studies Indonesia (ART607)	MURDOCH: SUM-internal	6
In-Country Studies Indonesia (ART6071)	Not available this year	12
Masters by Coursework Research Dissertation (ART610)	MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	12
Masters by Coursework Research Project (ART640)	MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, Y-internal, Y-external	3
Masters by Coursework Research Project (ART6401)	MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, Y-internal, Y-external	6
Masters by Coursework Research Project (ART6402)	Not available this year	9
Professional Placement (ART325)	Not available this year	3

**School of Health Professions****Points**

Applied Health Research Methods: From Research to Practice (SHP632)	MURDOCH: S1-external, S2-external	3
Applied Health Services Project (SHP603)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	6
Bioethics and Law for Health Care Leadership (SHP510)	MURDOCH: S1-external, S2-external	3
Clinical Governance (SHP641)	MURDOCH: S1-external	3
Financial Management in Health Care (SHP639)	MURDOCH: S1-external	3
Health Care Education (SHP638)	Not available this year	3
Health Policy in an Australian Context (SHP541)	MURDOCH: S1-external, S2-external	3
Health Services Project (SHP640)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	6
Human Factors: The Impact on Patient Safety (SHP602)	MURDOCH: S2-external	3
Internship (SHP648)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	6
Leadership in Health Care (SHP511)	MURDOCH: S1-external, S2-external	3
Managing in a Health Care Environment (SHP612)	MURDOCH: S1-external	3
Reflective Practice in Health Management (SHP604)	MURDOCH: S2-external	3
Safety and Quality in Health Care (SHP501)	MURDOCH: S1-external, S2-external	3

**School of Veterinary and Life Sciences****Points**

Advanced Research Methods for Scientists (VLS683)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	3
Honours Thesis in Animal Health (VLS515)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	21
Honours Thesis in Animal Science (VLS510)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	21
Honours Thesis in Biological Sciences (VLS560)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	21
Honours Thesis in Biomedical Science (VLS525)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	21
Honours Thesis in Biotechnology (VLS535)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	21

Students who have successfully completed a unit may not enrol for credit in any subsequent version of that unit, even if under a different code and/or title, nor in any parallel lower- or higher-level version. Students enrolled in a higher-level version of a unit are required to demonstrate advanced analytical skills and/or use of advanced research tools in assignments modified for that level.

Honours Thesis in Conservation and Wildlife Biology (VLS540)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	21
Honours Thesis in Environmental Management and Sustainability (VLS545)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	21
Honours Thesis in Environmental Science (VLS550)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	21
Honours Thesis in Forensic Biology and Toxicology (VLS520)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	21
Honours Thesis in Marine Science (VLS555)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	21
Honours Thesis in Molecular Biology (VLS530)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	21
Honours Thesis in Veterinary Biology (VLS505)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	21
Life Sciences Masters Project (VLS690)	MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	12
Life Sciences Masters Project (VLS6901)	MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	3
Life Sciences Masters Project (VLS6902)	MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	6
Life Sciences Masters Project (VLS6903)	MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	9
Life Sciences Masters Research Dissertation (VLS629)	MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	12
Life Sciences Masters Research Dissertation (VLS6291)	MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	6
Life Sciences Masters Research Dissertation (VLS6292)	MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	9

### Screen Production

### Points

Advanced Screen Production (SCR320)	Not available this year	3
Advanced Topic in Media Production (SCR510)	MURDOCH: S1-internal, S2-internal	3
Alternative Screens (SCR303)	Not available this year	3
Documentary (SCR300)	MURDOCH: S1-internal	3
Documentary Production (SCR304)	MURDOCH: S2-internal	3
Honours Thesis in Screen Production (SCR569)	MURDOCH: S1-internal, S2-internal, Y-internal	12
Honours Topic in Screen Production A (SCR561)	MURDOCH: S1-internal, S1-external, S2-internal, Y-internal	3
Honours Topic in Screen Production B (SCR562)	MURDOCH: S1-internal, S2-internal, Y-internal	3
Introduction to the Screen (SCR100)	MURDOCH: S2-internal, S2-external	3
Production Development (SCR222)	MURDOCH: S2-internal	3
Professional Development (SCR312)	Not available this year	3
Screen Production 1 (SCR101)	MURDOCH: S1-internal (quota of 102 places)	3
Screen Production 2 (SCR201)	MURDOCH: S1-internal	3
Screen Text (SCR348)	Not available this year	3
Writing for the Screen (SCR200)	MURDOCH: S1-internal	3

### Sir Walter Murdoch School

### Points

Advanced Policy Case Study (SWM620)	MURDOCH: S1-internal, S2-internal, W-internal	3
Australian Public Sector (SWM510)	Not available this year	3
Contemporary Dynamics in Asian International Affairs (SWM623)	MURDOCH: S1-internal	3
Counterterrorism Policy (SWM627)	Not available this year	3
Development and Change (SWM631)	MURDOCH: S2-internal	3
Development and Sustainability (SWM628)	MURDOCH: S2-internal	3
E-Politics: the Internet and the Future of Power (SWM641)	MURDOCH: S1-internal	3
Ethical Challenges of Contemporary Societies (SWM621)	MURDOCH: S2-internal	3
Gender and Development (SWM637)	MURDOCH: S1-internal	3



Global Governance and International Institutions (SWM636)	MURDOCH: S2-internal	3
Global Trade Policy (SWM624)	Not available this year	3
Health Economics and Finance (SWM518)	MURDOCH: W-internal	3
Health Policy and Governance (SWM517)	MURDOCH: S1-internal	3
International History (SWM633)	MURDOCH: S1-internal	3
International Political Economy (SWM632)	MURDOCH: S2-internal	3
International Relations Theories (SWM634)	Not available this year	3
International Security and Strategy (SWM635)	MURDOCH: S2-internal	3
Islamic Politics and Development (SWM642)	MURDOCH: S2-internal	3
Network Governance (SWM622)	MURDOCH: S1-internal	3
Parliamentary Studies (SWM646)	MURDOCH: S2-internal	3
Policy Design (SWM614)	MURDOCH: S2-internal	3
Policy Research and Evaluation (SWM516)	MURDOCH: S1-internal	3
Political Violence (SWM643)	MURDOCH: S2-internal	3
Politics, States and Development (SWM530)	MURDOCH: S1-internal	3
Public Policy and International Affairs Foundations (SWM644)	MURDOCH: S1-internal	3
Public Policy: Theory and Practice (SWM509)	MURDOCH: S1-internal	3
Public Sector Economics (SWM645)	MURDOCH: S2-internal	3
Public Sector Management (SWM515)	MURDOCH: S1-internal	3
Research Internship (SWM619)	MURDOCH: S1-internal, S2-internal	6
Social Policy for the Contemporary World (SWM626)	Not available this year	3
Social Science Research Design (SWM618)	MURDOCH: S1-internal	3
Special Topics in Development Studies: Corruption, Anti-corruption and its Discontents (SWM640)	MURDOCH: S2-internal	3
Special Topics in International Affairs (SWM650)	Topic not currently available	3
Special Topics in Public Policy and Management: Cultural and Communications Policy (SWM660)	MURDOCH: S2-internal	3
Strategic Health Leadership and Management (SWM519)	MURDOCH: W-internal	3
Supervised Research Thesis (SWM617)	MURDOCH: S1-internal, S2-internal	6
Supervised Research Thesis (SWM6171)	MURDOCH: S1-internal, S2-internal	9
Theories of Development (SWM511)	MURDOCH: S1-internal	3
Working in Development (SWM512)	MURDOCH: W-internal	3

### Social Sciences and Humanities

### Points

Events Internship (SSH302)	MURDOCH: S2-internal	8
Ideas in Action (SSH100)	Not available this year	3
In-Country Studies Indonesia (SSH307)	MURDOCH: SUM-internal	8

### Sociology

### Points

Australian Youth Culture (SOC203)	MURDOCH: S1-internal, S1-external	3
Classical Sociological Theory (SOC207)	MURDOCH: S1-internal, S1-external	3
Contemporary Sociological Theory (SOC308)	Not available this year	3
Health and Society (SOC213)	Not available this year	4
Health and Society (SOC313)	Not available this year	3
Honours Thesis in Sociology (SOC569)	MURDOCH: S1-internal, S2-internal	12
Honours Topic in Sociology A (SOC561)	MURDOCH: S1-internal, S2-internal, Y-internal	3
Honours Topic in Sociology B (SOC562)	MURDOCH: S1-internal, S2-internal, Y-internal	3
Introduction to Sociology (SOC134)	MURDOCH: S1-internal, S1-external	3
Sociology and Everyday Life (SOC205)	MURDOCH: S2-internal, S2-external	3
Special Topics in Sociology (SOC272)	Topic not currently available	3

### Sound

### Points

Honours Thesis in Sound (SOU569)	MURDOCH: S1-internal, S2-internal, Y-internal	12
Honours Topic in Sound A (SOU561)	MURDOCH: S1-internal, S2-internal, Y-internal	3
Honours Topic in Sound B (SOU562)	MURDOCH: S1-internal, S2-internal, Y-internal	3

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Introduction to Audio Production (SOU101)	MURDOCH: S2-internal (quota of 90 places)	3
Introduction to Sound Studies (SOU169)	MURDOCH: S1-internal	3
Music Technology (SOU268)	MURDOCH: S1-internal (quota of 60 places)	3
Sound Design (SOU376)	Not available this year	3
Sound Production (SOU214)	MURDOCH: S2-internal (quota of 60 places)	3
Sound Projects (SOU378)	Not available this year	3
Soundtrack (SOU377)	Not available this year	3

## Sustainability

### Points

Cities and Sustainability (SUS523)	MURDOCH: S1-internal, S1-external	3
Economics of Sustainability (SUS202)	MURDOCH: W-internal, W-external	4
Economics of Sustainability (SUS305)	Not available this year	3
Honours Thesis in Sustainable Development (SUS501)	MURDOCH: S1-internal, S2-internal	12
Honours Topic in Sustainable Development (SUS500)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external	3
International Aid and Development (SUS309)	Not available this year	3
Introduction to Sustainable Development (SUS100)	MURDOCH: S2-internal, S2-external	3
Overseas Aid and International Development (SUS207)	MURDOCH: S1-internal, S1-external	3
Resilient Regions: People and Practice (SUS611)	MURDOCH: SUM-internal (quota of 10 places), SUM-external	3
Resilient Regions: Sustainability in Practice (SUS302)	MURDOCH: SUM-internal (quota of 20 places), SUM-external	4
Special Topics in Sustainability (SUS250)	Topic not currently available	3
Special Topics in Sustainability (SUS601)	Topic not currently available	3
Special Topics in Sustainable Development (SUS640)	Topic not currently available	3
Sustainability, Ecology and Communities (SUS203)	MURDOCH: S1-internal, S1-external	3
Sustainability, Ecology and Communities (SUS512)	MURDOCH: S1-internal, S1-external	3
Sustainable Development Internship Project (SUS532)	MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, Y-internal, Y-external	6
Sustainable Development Internship/Project (SUS332)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external	8
Sustainable Development Internship/Project (SUS3321)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external	4
Sustainable Development Practice (SUS301)	Not available this year	3
Sustainable Urban Communities (SUS300)	MURDOCH: S1-internal, S1-external	4
Sustainable Urban Communities (SUS310)	Not available this year	3

## Teaching and Learning

### Points

From University to Workplace (TLC227)	MURDOCH: S2-internal	3
Graduate Study in a Cross-Cultural Context (TLC501)	MURDOCH: S1-internal, S2-internal	3
Introduction to University Learning (TLC120)	MURDOCH: S1-internal, S1-external, S2K-internal, S2K-external, SUM3-external	3
Writing Academic English (TLC121)	MURDOCH: S1-internal, S2-internal	3

## Theology

### Points

Advanced Biblical Interpretation Seminar (THE617)	Not available this year	3
Advanced New Testament Exegesis (THE477)	MURDOCH: S1-external	4
Advanced Old Testament Exegesis (THE498)	MURDOCH: S2-external	4
Apologetics (THE614)	MURDOCH: S2-internal, S2-external	3
Australian Church History (THE597)	Not available this year	4
Britain and the Reformation Era (THE623)	Not available this year	3
Chaplaincy in Theory and Practice (THE513)	MURDOCH: S2-external	3
Christian Ethics (THE267)	Not available this year	4
Christianity in Asia (THE489)	MURDOCH: S1-external	4

Christianity in Asia (THE589)	Not available this year	4
Christology (THE258)	MURDOCH: S2-external	4
Christology (THE625)	Not available this year	3
Church, Ministry and Sacraments (THE263)	Not available this year	4
Church, Ministry and Sacraments (THE663)	Not available this year	3
Emerging Christian Theology: The Creeds (100-500 CE) (THE510)	MURDOCH: S2-external	3
Ethics (THE624)	MURDOCH: S1-internal, S1-external	3
Globalisation of Modern Christianity (THE622)	MURDOCH: S1-internal, S1-external	3
History of the Christian Church I: Early to Medieval (THE285)	Not available this year	4
History of the Church II: Reformation to Modern (THE286)	MURDOCH: S2-external	4
Homiletics (THE618)	Not available this year	3
Introduction to the New Testament (THE507)	MURDOCH: S2-internal, S2-external	3
Introduction to the Old Testament (THE506)	MURDOCH: S1-internal, S1-external	3
Jesus and the Gospels (THE287)	MURDOCH: S1-external	4
Master of Ministry Project (THE583)	MURDOCH: H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	8
Missiology (THE616)	MURDOCH: S2-internal, S2-external	3
New Testament Exegesis (THE621)	MURDOCH: S1-external	3
Old Testament Exegesis (THE284)	MURDOCH: S1-external	4
Old Testament Exegesis (THE620)	MURDOCH: S2-internal, S2-external	3
Pastoral Care (THE245)	MURDOCH: S1-external	4
Pastoral Care (THE645)	MURDOCH: S1-internal, S1-external	3
Pastoral Practicum (THE512)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	3
Pastoral Practicum I (THE237)	MURDOCH: S1-external, S2-external	4
Pastoral Practicum II (THE437)	MURDOCH: S1-external, S2-external	4
Paul and Early Christian Writings (THE240)	Not available this year	4
Special Topics in Theology (THE204)	Topic not currently available	4
Special Topics in Theology (THE274)	Topic not currently available	4
Special Topics in Theology (THE473)	Topic not currently available	4
Spirituality (THE528)	MURDOCH: S1-internal, S1-external	3
Teaching Religion in Schools (THE246)	Not available this year	4
Teaching Religion in Schools (THE511)	MURDOCH: S2-internal, S2-external	3
Thinking Theology (THE505)	MURDOCH: S1-internal, S1-external	3
Triune God (THE429)	MURDOCH: S2-external	4
Triune God (THE619)	MURDOCH: S2-internal, S2-external	3
Turning Points in Church History (THE509)	MURDOCH: S2-internal, S2-external	3
Worship and Liturgy (THE288)	Not available this year	4
Worship and Liturgy (THE615)	Not available this year	3

<b>Tourism</b>		<b>Points</b>
Cultural Tourism Interpretation (TOU230)	MURDOCH: S2-internal, S2-external	3
Destination Management (TOU303)	MURDOCH: S2-internal KAPLAN-SGP: TJA-internal, TSA-internal SGP1: TJB-internal, TSB-internal	4
Destination Management (TOU323)	Not available this year	3
Events Internship (TOU305)	Not available this year	6
Events, Policy and Evaluation (TOU304)	MURDOCH: S1-internal, S1-external KAPLAN-SGP: TMA-internal	4
Events, Policy and Evaluation (TOU324)	Not available this year	3
Festivals and Events (TOU212)	KAPLAN-SGP: TJA-internal, TSA-internal	4
Festivals and Events (TOU232)	MURDOCH: S1-internal, S1-external	3
Honours Thesis in Tourism and Events (TOU569)	MURDOCH: S1-internal, S2-internal	12
Honours Topic in Tourism and Events A (TOU561)	MURDOCH: S1-internal, S2-internal, Y-internal	3
Honours Topic in Tourism and Events B (TOU562)	MURDOCH: S1-internal, S2-internal, Y-internal	3
Indigenous Tourism Issues (TOU231)	Not available this year	3
Introduction to Tourism Systems (TOU101)	MURDOCH: S1-internal, S1-external	3

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Special Topics in Tourism (TOU228)	Topic not currently available	3
Sustainable Tourism (TOU201)	KAPLAN-SGP: TMA-internal SGP1: TMB-internal	4
Sustainable Tourism (TOU221)	MURDOCH: S1-internal, S1-external	3
Tourism Project (TOU302)	MURDOCH: S2-internal, S2-external	4
Tourism Project (TOU322)	Not available this year	3
Travel and Tourism in Society (TOU102)	MURDOCH: S2-internal, S2-external KAPLAN-SGP: TMA-internal	3

## University Access

## Points

Extension to Veterinary Biology 1 (EQU031)	MURDOCH: S1-internal	
Extension to Veterinary Biology 2 (EQU032)	MURDOCH: S2-internal	
Extension to Veterinary Biology 3 (EQU033)	MURDOCH: S1-internal	
Extension to Veterinary Biology 4 (EQU034)	MURDOCH: S2-internal	
Extension to Veterinary Biology 5 (EQU035)	MURDOCH: S1-internal	
Integrated Clinical Studies 1 (EQU041)	MURDOCH: S1-internal	
Integrated Clinical Studies 2 (EQU042)	MURDOCH: S2-internal	
Integrated Clinical Studies 3 (EQU043)	MURDOCH: S1-internal	
Integrated Clinical Studies 4 (EQU044)	MURDOCH: S2-internal	
Introduction to Clinical Studies (EQU036)	MURDOCH: S2-internal	
OnTrack (EQU060)	MURDOCH: S1-internal, S2-internal PEEL: S1-internal, S2-internal ROCKINGHAM: S1-internal, S2-internal	
OnTrack Sprint (EQU070)	MURDOCH: SB7-internal ROCKINGHAM: SB7-internal	
Orientation Chemistry 1 (EQU011)	MURDOCH: S1-internal	
Orientation Chemistry 2 (EQU012)	MURDOCH: S2-internal	
Transition to Veterinary Studies 1 (EQU021)	MURDOCH: S1-internal	
Transition to Veterinary Studies 2 (EQU022)	MURDOCH: S2-internal	
Transition to Veterinary Studies 3 (EQU023)	MURDOCH: S1-internal	
Transition to Veterinary Studies 4 (EQU024)	MURDOCH: S2-internal	

## Veterinary Science

## Points

Advanced Anaesthesia and Critical Care (VET660)	MURDOCH: S1-external (quota of 30 places)	3
Advanced Diagnostic Imaging (VET671)	Not available this year	3
Advanced Surgical Techniques (VET647)	Not available this year	3
Advanced Topics in Equine Practice (VET543)	MURDOCH: S2-internal	6
Advanced Topics in Mixed Animal Practice (VET542)	MURDOCH: S2-internal	6
Advanced Topics in Production Animal Practice (VET544)	MURDOCH: S2-internal	6
Advanced Topics in Small Animal Practice (VET541)	MURDOCH: S2-internal	6
Advanced Topics in Veterinary Science (VET546)	MURDOCH: S2-internal	6
Advanced Topics in Wildlife, Zoological and Conservation Medicine (VET545)	MURDOCH: S2-internal	6
Advanced Veterinary Case Management (VET675)	MURDOCH: H-internal, S1-internal, S2-internal, Y-internal	3
Advanced Veterinary Case Management (VET6751)	MURDOCH: H-internal, S1-internal, S2-internal, Y-internal	6
Advanced Veterinary Case Management (VET6752)	MURDOCH: H-internal, S1-internal, S2-internal, Y-internal	9
Advanced Veterinary Case Management 2 (VET676)	MURDOCH: H-internal, S1-internal, S2-internal, Y-internal	3
Advanced Veterinary Case Management 2 (VET6761)	MURDOCH: H-internal, S1-internal, S2-internal, Y-internal	6
Advanced Veterinary Case Management 2 (VET6762)	MURDOCH: H-internal, S1-internal, S2-internal, Y-internal	9
Anaesthesia, Emergency and Critical Care (VET456)	MURDOCH: S2-internal	3
Animal Behaviour, Welfare and Veterinary Ethics (VET333)	Not available this year	3
Animal Cellular Structure and Development (VET291)	Not available this year	3
Animal Systems I (VET242)	Not available this year	3
Animal Systems II (VET342)	MURDOCH: S1-internal	3
Animal Systems III (VET442)	MURDOCH: S1-internal	3
Applied Veterinary Pharmacology (VET379)	Not available this year	3

Avian, Exotic Pet and Wildlife Practice (VET453)	MURDOCH: S1-internal	2
Case Reports (VET622)	MURDOCH: S1-external (quota of 20 places), S2-external (quota of 20 places)	3
Cattle and Camelid Medicine, Production and Surgery (VET455)	MURDOCH: S2-internal	3
Clinical Pathology 1 (VET621)	MURDOCH: S2-external (quota of 25 places)	3
Clinical Pathology 2 (VET648)	Not available this year	3
Companion Animal Practice (VET413)	Not available this year	12
Comparative Mammalian Biochemistry (VET272)	MURDOCH: S1-internal	3
Conservation Medicine (VET630)	MURDOCH: S2-internal, S2-external	3
Dermatology (VET628)	Not available this year	3
Doctor of Veterinary Medical Science Thesis (VET770)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	48
Epidemiological Studies: Design and Analysis (VET699)	MURDOCH: S1-internal, S1-external	3
Equine Medicine I (VET673)	MURDOCH: S1-internal, S1-external	3
Equine Medicine II (VET674)	MURDOCH: S2-internal, S2-external	3
Equine Practice (VET454)	MURDOCH: YM-internal	4
Equine Practice, After-Hours and Diagnostic Imaging (VET580)	Not available this year	6
Equine Practice, After-Hours and Diagnostic Imaging (VET590)	MURDOCH: YM-internal	3
Evidence-Based Clinical Practice (VET694)	MURDOCH: S1-external (quota of 30 places)	3
General Small Animal Practice (VET461)	MURDOCH: S2-internal	3
Infectious and Emerging Diseases (VET640)	MURDOCH: S2-internal, S2-external	3
Infectious and Parasitic Diseases (VET629)	MURDOCH: S2-external (quota of 30 places)	3
Intensive Industries Medicine and Production (VET451)	MURDOCH: YM-internal	2
Introduction to Clinical Practice (VET331)	Not available this year	6
Introduction to Clinical Skills (VET411)	Not available this year	6
Large Animal Practice (VET412)	Not available this year	12
Medicine 1 (VET625)	MURDOCH: S1-external (quota of 30 places)	3
Medicine 2 (VET626)	MURDOCH: S2-external (quota of 30 places)	3
Medicine 3 (VET609)	Not available this year	3
One Health (VET392)	Not available this year	3
One Health for Biodiversity Conservation (VET603)	MURDOCH: S1-internal, S1-external	3
Practical Applications of Epidemiology (VET642)	MURDOCH: S1-internal, S1-external	3
Principles of Epidemiology (VET641)	MURDOCH: S1-internal, S1-external, S2-internal, S2-external	3
Principles of Infectious Disease II - Veterinary Parasitology (VET278)	MURDOCH: S2-internal	3
Principles of Infectious Diseases - Veterinary Microbiology (VET211)	MURDOCH: S2-internal	3
Principles of Wildlife Comparative Pathology (VET605)	MURDOCH: S2-internal, S2-external	3
Principles of Wildlife Epidemiology and Disease Risk Analysis (VET606)	MURDOCH: S2-internal, S2-external	3
Principles of Wildlife Health (VET604)	MURDOCH: S1-internal, S1-external	3
Processes in Animal Disease (VET340)	MURDOCH: S1-internal	4
Processes in Animal Disease (VET375)	Not available this year	3
Production Animal, Public Health, Pathology (Anatomical and Clinical) Core Clinical Rotation (VET577)	Not available this year	6
Production Animal, Public Health, Pathology (Anatomical and Clinical) Core Clinical Rotation (VET587)	MURDOCH: YM-internal	3
Reproduction and Obstetrics (VET463)	MURDOCH: YM-internal	3
Research Methodology (VET666)	Not available this year	3
Seminars in Veterinary Clinical Studies (VET679)	MURDOCH: H-internal, Y-internal	3
Small Animal Medicine (VET452)	MURDOCH: S2-internal	4
Small Animal Practice I (VET575)	Not available this year	6
Small Animal Practice I (VET585)	MURDOCH: YM-internal	3
Small Animal Practice II (VET576)	Not available this year	6
Small Animal Practice II (VET586)	MURDOCH: YM-internal	3
Small Animal Surgery (VET457)	MURDOCH: YM-internal	3
Small Ruminant Medicine and Production (VET419)	MURDOCH: S2-internal	2
Surgical Secrets (VET459)	MURDOCH: S2-internal	3

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Systems Pathology and Medicine (VET377)	Not available this year	6
Transition to Clinical Practice (VET421)	Not available this year	3
Veterinary Case Management Rounds (VET678)	MURDOCH: H-internal, Y-internal	3
Veterinary Diagnostic Imaging (VET462)	MURDOCH: S2-internal	3
Veterinary Diagnostic Pathology (VET343)	MURDOCH: S1-internal	4
Veterinary Immunology and Molecular Genetics (VET347)	MURDOCH: S2-internal	4
Veterinary Microbiology (VET341)	MURDOCH: S2-internal	4
Veterinary Nutrition and Animal Toxicology (VET346)	MURDOCH: S1-internal	4
Veterinary Nutrition and Animal Toxicology (VET380)	Not available this year	3
Veterinary Parasitology (VET344)	MURDOCH: S2-internal	4
Veterinary Pharmacology (VET345)	MURDOCH: S1-internal	4
Veterinary Practice Management (VET672)	Not available this year	3
Veterinary Professional Life I (VET209)	MURDOCH: S1-internal (closed)	1
Veterinary Professional Life I (VET210)	MURDOCH: Y-internal	3
Veterinary Professional Life II (VET348)	MURDOCH: S1-internal	1
Veterinary Professional Life II (VET448)	Not available this year	3
Veterinary Professional Life III (VET429)	MURDOCH: S1-internal	1
Veterinary Professional Life III (VET484)	Not available this year	3
Veterinary Professional Life III (VET584)	Not available this year	6
Veterinary Professional Life IV (VET458)	MURDOCH: S1-internal	1
Veterinary Professional Life V (VET538)	MURDOCH: Y2-internal	6
Veterinary Structure and Function I (VET260)	MURDOCH: S1-internal (quota of 110 places)	3
Veterinary Structure and Function II (VET271)	MURDOCH: S1-internal (quota of 110 places)	3
Veterinary Structure and Function III (VET273)	MURDOCH: S2-internal (quota of 110 places)	3
Veterinary Structure and Function IV (VET274)	MURDOCH: S2-internal (quota of 110 places)	3
Veterinary Studies Masters Project (VET639)	MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	3
Veterinary Studies Masters Project (VET6391)	MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	6
Veterinary Studies Masters Research Dissertation (VET649)	MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	12
Wildlife Comparative Pathology Project (VET664)	MURDOCH: S2-internal, S2-external	3
Wildlife Medicine (VET631)	MURDOCH: S1-internal, S1-external	3

### Web Communication

### Points

Advanced Web Communication Project (WEB567)	MURDOCH: S2-internal	3
Business of Freelancing (WEB303)	Not available this year	3
Honours Thesis in Web Communication (WEB569)	MURDOCH: S1-internal, S2-internal, Y-internal	12
Honours Topic in Web Communication A (WEB561)	MURDOCH: S1-internal, S2-internal, Y-internal	3
Honours Topic in Web Communication B (WEB562)	MURDOCH: S1-internal, S2-internal, Y-internal	3
Social Media Analysis (WEB566)	MURDOCH: S2-internal	3
Web Analytics (WEB564)	MURDOCH: S2-internal	3
Web Communication Project (WEB301)	Not available this year	3
Web Design (WEB263)	MURDOCH: S1-internal	3
Web Metrics (WEB302)	Not available this year	3
Web Planning (WEB565)	MURDOCH: S2-internal	3
Web Strategy (WEB278)	MURDOCH: S2-internal	3

### Workplace Learning

### Points

Structured Workplace Learning Placement -- Information Technology (WKP356)	MURDOCH: S1-internal, S2-internal, SUM-internal	12
Structured Workplace Learning Placement -- Information Technology (WKP356-03)	Not available this year	3

# Units

## 3D Animation (GAD365)

*As for MCC265 except:*

Credit Points: 3

Not available this year

Online lecture; media laboratories: 2.5 hours per week

Prerequisites: GAD241 Animation or MCC241 Animation

Exclusions: Students who have successfully completed MCC265 3D Animation may not enrol in this unit for credit.

## 3D Animation (MCC265)

Credit Points: 4

MURDOCH: S2-internal

This unit focuses on the skills and theory required for 3D animation. A range of animation techniques will be explored with an eye towards commercial applications such as games and films. Students will develop an understanding of the core concepts of 3D animation techniques along with body mechanics thus creating physical movements that are believable. The units also draws on theory from related disciplines, including theatrical acting, traditional animation principles and new media theory.

Online lecture; media laboratories: 3 hours per week

Prerequisites: MCC164 3D Modelling and MCC241 Animation

## 3D Modelling (GAD164)

Credit Points: 3

MURDOCH: S1-internal

This unit focuses on developing practical and conceptual skills in 3D modelling. Students are introduced to industry-standard tools and learn techniques in modelling, texturing and mapping. Students experience a variety of modelling challenges, including characters, props and environments, and learn each step of creative development, from planning to polishing. These skills are contextualised in relation to contemporary theories of spatial design, character development, and game design from varied arts fields, such as architecture, theatre and photography.

Online lecture; media laboratories: 2.5 hours per week

Prerequisites: Nil.

Exclusions: Students who have successfully completed MCC242 3D Modelling and Design or MCC164 3D Modelling may not enrol in this unit for credit.

## Academic Learning Skills (BAR100)

Credit Points: 3

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

This unit is for students enrolled in the BA degree. It will help you make the transition to university culture and introduce you to the range of lifelong learning skills needed at university and beyond. These include organisational as well as thinking, problem-solving and communication skills. It will develop interpersonal skills that encourage you to question, listen and act ethically; tolerate ambiguity, embrace openness, curiosity and intellectual risk-taking; and to make connections and work collaboratively.

Tutorials: 2.5 hours per week.

Prerequisites: Enrolment in a Bachelor of Arts, Bachelor of Asian Studies, Bachelor of Communication, Bachelor of Criminology,

Bachelor of Media, Bachelor of Digital Media, Bachelor of Legal Studies, Bachelor of Psychology, Bachelor of Theology, or Bachelor of Tourism in Applied Events Management.

Exclusions: Students who have successfully completed a Foundation Unit (units beginning with FDN) may not enrol in this unit for credit.

## Academic Skills for Business (BBS100)

Credit Points: 3

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

This unit provides a range of generic learning skills specifically for BBus students. It aims to equip students with competency in communication skills in literacy, numeracy, and information technology in the context of Business Studies. These skills include reading and summing up academic papers, researching and writing essays, cogent argumentation, correct referencing, finding and evaluating information, as well as numeracy skills, including the interpretation of charts, graphs, tables and other visual materials.

Lectures: 1 hour per week; tutorials: 2 hours per week.

Prerequisites: Enrolment in Bachelor of Business, Bachelor of Commerce, Bachelor of Economics, Bachelor of Business in Applied Accounting, or Bachelor of Digital Marketing and Media,

Exclusions: Students who have successfully completed a Foundation Unit (units beginning with FDN) may not enrol in this unit for credit.

## Accounting for Managers (MBS513)

Credit Points: 4

DUBAI-ISC: TMD-internal

KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

SGP1: TMQ-internal

While this unit provides an introduction to accounting issues relevant to both preparers and users of business reports, it predominantly explores the principles of financial and management accounting from a user perspective. The focus of the unit is on decision-making providing a practical understanding of how to analyse information obtained from the accounting system to assist in management decision making.

Lectures/seminars/workshops: 3 hours per week.

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students who have completed MBS5132 Accounting for Managers may not enrol in MBS513 Accounting for Managers for credit.

Students in C1115 Graduate Certificate in Business Administration (Masterclass) will be enrolled in MBS5132 Accounting for Managers.

## Accounting for Managers (MBS539)

*As for MBS513 except:*

Credit Points: 3

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students who have completed MBS513/MBS5132/MBS5392 Accounting for Managers may not enrol in MBS539 Accounting for Managers for credit.

**Accounting for Managers (MBS5392)****As for MBS513 except:**

Credit Points: 3

MURDOCH: SUM1-internal

Taught intensively during the Summer term. Due to the nature of offering this unit, students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

Prerequisites: Enrolment in C1083 Postgraduate Certificate in Business Administration (MasterClass) or C1115 Graduate Certificate in Business Administration (MasterClass).

Exclusions: Students who have completed MBS513/MBS5132/MBS539 Accounting for Managers may not enrol in MBS5392 Accounting for Managers for credit.

**Accounting Processes (MBS544)****As for MBS553 except:**

Credit Points: 3

MURDOCH: S1-internal, S2-internal

Prerequisites: MBS539/MBS513 Accounting for Managers

Exclusions: Students who have completed MBS553 Accounting Processes may not enrol in this unit for credit.

**Accounting Processes (MBS553)**

Credit Points: 4

KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

This unit introduces students to the technical aspects as well as the underlying concepts involved in the accounting cycle from recording financial transactions to the production of relevant financial statements in accordance with Australian Accounting Standards. Topics include balance-day adjustments, accounting subsystems, reporting and analysing assets, liabilities and equity. Students will also be instructed in QuickBooks to enhance their understanding of computer based accounting.

Lectures/seminars: 3 hours per week.

Prerequisites: MBS513 Accounting for Managers; enrolment in the Master of Professional Accounting.

**Accounting Theory and Accountability (BUS304)****As for BUS310 except:**

Credit Points: 3

Not available this year

Lectures: 1 hour per week; workshops: 2 hours per week

Prerequisites: BUS285 or BUS217 Technology and Accounting Processes

Exclusions: Students who have completed BUS310 Accounting Theory and Accountability may not enrol in this unit for credit.

**Accounting Theory and Accountability (BUS310)**

Credit Points: 4

MURDOCH: S2-internal, S2-external

KAPLAN-SGP: TMA-internal

SGP1: TMB-internal

Develops higher-level analytical and critical thinking skills in the accounting domain. Topics include accounting theories, triple bottom line, measurement systems and the importance of

understanding user needs and company impediments to financial reporting. The unit emphasises the acquisition of fundamental problem solving and communication skills and the link of governance, financial reporting and accountability to the fast changing corporate business environment. Corporate governance, ethics and innovation issues are also explored.

Lectures: 1 hour per week; workshops: 2 hours per week.

Prerequisites: BUS217 Technology and Accounting Processes.

Trimester offerings for this unit at Singapore (SGP1) are taught in intensive mode.

**Accounting Theory and Governance (MBS633)**

Credit Points: 4

KAPLAN-SGP: TJA-internal, TSA-internal

The focus of this capstone accounting unit is on the theories that underpin contemporary accounting issues and accounting standards. Topics include accounting theories, measurement alternatives, governance and ethics, triple bottom line and social responsibility reporting and the importance of understanding user needs and impediments to transparent financial reporting.

Lectures/seminars/workshops: 3 hours per week.

Prerequisites: MBS513/ MBS539 Accounting for Managers.

Exclusions: Students who have completed MBS679 Accounting Theory and Governance may not enrol in this unit for credit.

**Accounting Theory and Governance (MBS679)****As for MBS633 except:**

Credit Points: 3

MURDOCH: S2-internal

Prerequisites: MBS513/MBS539 Accounting for Managers

Exclusions: Students who have completed MBS633 Accounting Theory and Governance may not enrol in this unit for credit.

**Acquisition of Human Resources (MBS511)**

Credit Points: 4

DUBAI-ISC: TMD-internal

KAPLAN-SGP: TMA-internal

This unit provides an understanding of the linkages among an organisation's vision, values, strategic planning and human resource management practices relating to recruitment and selection. It outlines HR systems that can be used to bring an organisation's operations into line with its vision. Techniques relating to planning, recruitment, selection and decision making will be explored and applied.

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students who have successfully completed MBS688 Acquisition of Human Resources may not enrol in this unit for credit.

**Acquisition of Human Resources (MBS688)****As for MBS511 except:**

Credit Points: 3

MURDOCH: S2-internal, S2-external

Lectures/seminars/workshops: 3 hours per week.

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students who have successfully completed MBS511 Acquisition of Human Resources may not enrol in this unit for



credit.

### Acquisition of Skills and Motor Control (EXS205)

Credit Points: 3

MURDOCH: S2-internal

This unit will cover principles relating to motor skill classification and measurement, the expert performance model and factors that limit expert motor skill performance, as well as instruction and practice principles that can be used to facilitate motor skill learning. An introduction to motor control theories will also be covered. The content has direct application to professions such as exercise physiology, sport science, sports coaching, physical education teaching and allied health.

Lectures: 2 hours per week; laboratories: 2 hours per fortnight.

Prerequisites: Nil.

Exclusions: Student who have successfully completed CHI322/ EXS322 Acquisition of Skills and Motor Control may not enrol in this unit for credit.

### Acquisition of Skills and Motor Control (EXS322)

Credit Points: 4

MURDOCH: S1-internal

This unit will cover principles relating to motor skill classification and measurement, the expert performance model and factors that limit expert motor skill performance, as well as instruction and practice principles that can be used to facilitate motor skill learning. An introduction to motor control theories will also be covered. The content has direct application to professions such as exercise physiology, sport science, sports coaching, physical education teaching and allied health.

Lectures: 2 hours per week; laboratories: 2 hours per fortnight.

Prerequisites: Nil.

Exclusions: Student who have successfully completed CHI322 Acquisition of Skills and Motor Control may not enrol in this unit for credit.

### Acting and Production I (EGL239)

Credit Points: 3

MURDOCH: S1-internal

This unit seeks to provide students with basic acting and production skills. Students will perform in front of a small in-house audience to test these skills but the emphasis in the unit is on training. At the end of the unit, students will have learnt some basic acting and production skills and will have gained experience in the performance of a dialogue and an audition monologue.

Workshops: 3 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed EGL226 Acting and Production I may not enrol in this unit for credit.

### Acting and Production II (EGL329)

Credit Points: 4

MURDOCH: S2-internal

This unit builds on EGL226 Acting and Production I to provide students with the opportunity to further develop their acting and production skills and creativity in a more substantial and challenging production with a more commercial focus. Productions in this unit also seek to provide students with opportunities for more advanced and experimental forms of theatrical work.

Workshops: 3 hours per week; rehearsals: as required.

Prerequisites: EGL226 Acting and Production I, OR entry by audition.

### Action Learning for Reflective Practitioners (EDN459)

As for EDN470 except:

Credit Points: 3

Not available this year

All students are encouraged to share their learning via discussion. Students completing the Bachelor of Education (Early Childhood and Primary) or the Bachelor of Education (Early Childhood) will need to locate an early childhood classroom (kindergarten to Year 2) to complete a total of 30 hours fieldwork. Students completing the Bachelor of Education Primary (inclusive minor) will need to locate an inclusive education setting in a primary school to complete a total of 30 hours fieldwork.

Prerequisites: Enrolment in the last year of the Bachelor of Education (Early Childhood and Primary) OR Bachelor of Education (Primary) OR Bachelor of Education (Early Childhood). Successful completion of EDN332 Children, Families and Communities OR EDU321 Children, Families and Schools.

### Action Learning for Reflective Practitioners (EDN470)

Credit Points: 4

MURDOCH: Y-external

This unit is designed for teaching professionals in a range of contexts, including early childhood education and inclusive educational settings. It requires the development, implementation and evaluation of a self-directed learning project based on action learning methodology, which addresses issues or problems within a specific teaching context. The project aims to improve and develop the student's teaching skills. The project offers an opportunity for theoretical perspectives to be translated and critiqued within a teaching context.

Prerequisites: Enrolment in the Bachelor of Education (Early Childhood and Primary) OR Bachelor of Education (Primary).

Participants will need to arrange for 30 hours of contact time with a group of learners to implement their action research.

### Acute Care 1 (NUR203)

Credit Points: 4

PEEL: S1N-internal

This unit is the first of two units which will focus on the acute care of the hospitalised patient. These units are intended to incrementally support students in their care of the acutely unwell patient within a medical and surgical setting. Students will address specific physiological and psychosocial responses and the associated nursing care related to pathophysiological mechanisms of disease in the immunological, integument, musculoskeletal, neurological and gastro intestinal systems.

Lectures: 1 hour per week; laboratories: 2 hours per week.

Scenario-based learning in the nursing laboratories.

Prerequisites: Completion of all Part I core BNursing units.

Students will demonstrate knowledge and competencies developed within this unit in a structured clinical practice.

**Acute Care 2 (NUR205)**

Credit Points: 4

PEEL: S2N-internal

This unit is the second of two units which will focus on the acute care of the hospitalised patient. These units are intended to incrementally support students in their care of the acutely unwell patient within a medical and surgical setting. Students will address specific physiological and psychosocial responses and the associated nursing care related to pathophysiological mechanisms of disease in the respiratory, cardiovascular, renal and endocrine systems.

Lectures: 1 hour per week; laboratories: 2 hours per week.

Prerequisites: Completion of all Part I core BNursing units plus NUR256 Medication Management for Nursing.

Students will demonstrate knowledge and competencies developed within this unit in a structured clinical practice.

**Admiralty Law (LAW355)**

Credit Points: 4

Not available this year

Admiralty law is a unique and truly international type of commercial law. This unit deals with the liability of ships in admiralty. It will cover a range of types of liability such as salvage, collisions, liability to passengers, towage and marine pollution. It will also deal with enforcement of admiralty claims, including maritime liens, admiralty procedures such as the arrest of vessels, and a ship's right to limit liability.

Lectures: 3 hours per week.

Prerequisites: LEG120 (prior to 2012)/LAW120 Research and Writing, LEG150 (prior to 2011)/LAW150 Australian Legal System, LAW130 Criminal Law and Procedure, LAW152 Torts, LAW260 Contract.

**Admiralty Law (LLB355)***As for LAW355 except:*

Credit Points: 3

Not available this year

Prerequisites: LEG120 (prior to 2012)/LAW120 Research and Writing, LEG150 (prior to 2011)/LAW150 Australian Legal System, LAW130 Criminal Law and Procedure, LAW152 Torts, LAW260 Contract.

Exclusions: Students who have completed LAW355 Admiralty Law may not enrol in this unit for credit.

**Adolescent Health and Development (EDN445)**

Credit Points: 4

MURDOCH: S2-internal

This unit provides an introduction to adolescent health and development and shows how by understanding the interplay of emotional, social and physical development during adolescence teachers can enhance students' learning.

Lectures: 1 per week; workshops: 2 hours per week

Prerequisites: Enrolment in the final semester of a Bachelor of Education (Secondary) OR Bachelor of Education (Secondary) (Graduate) course. Students will be required to have successfully completed all the required units.

Enrolment in the final semester of the BEd (Secondary Teaching) + Sports Science (BSportsSc)

Exclusions: Enrolment in EDN4451 Adolescent Health and

Development - 2 credit points.

This unit is provided for students who have completed the 4 point version of CHI315/EXS315 Sports Science Practicum.

**Adolescent Health and Development (EDN4451)***As for EDN445 except:*

Credit Points: 2

MURDOCH: S1-internal

Lectures: 1 per week; workshops: 2 per week.

Prerequisites: Students enrolled in BEd (Primary, 1-10 Health and Physical Education), or students enrolled in BEd(Secondary) + Sports Science (BSportsSc) who have completed the 8 credit point version of CHI3151.

Students who enrolled in BEd (Secondary Teaching) (Four Years), or BEd (Graduate) (Secondary Teaching) (Two Years) prior to 2013, are also required to enrol in this 2 point version of the unit.

Exclusions: Students who have completed, or are enrolled in, EDN445 Adolescent Health and Development.

This unit is to be taken in the Semester One of the final year of the students' course.

**Adolescent Health and Development (EDN446)***As for EDN445 except:*

Credit Points: 3

Not available this year

**Adult Learning in Education and Work (EDU645)**

Credit Points: 3

MURDOCH: S2-external

This unit examines recent psychological theories and research related to adult learning in academic, vocational and community learning settings, including professional development and workplace learning. By the end of this unit, participants should have developed a sound understanding of the multidimensional, interactive, dynamic and socioculturally situated nature of adult learning. They should be well prepared for designing learning environments which facilitate the development of meaningful knowledge and its application across various settings.

External: No attendance required. Some on-campus meetings will usually be available.

Prerequisites: Enrolment in a graduate-level qualification or permission of the Unit Coordinator.

Exclusions: Students who have successfully completed E446 Adult Learning in Education and Work may not enrol in this unit for credit.

**Advanced 3D Modelling (GAD363)**

Credit Points: 3

Not available this year

This unit develops basic 3D modelling skills, techniques and theory towards an emphasis on advanced 3D form, anatomy, character design, rigging, environments, props, textures and materials for a range of digital environments.

Online lectures: 1 hour; laboratories: 3 hours.

Prerequisites: MCC164 3D Modelling

**Advanced Anaesthesia and Critical Care (VET660)**

Credit Points: 3

MURDOCH: S1-external (quota of 30 places)

The Anaesthesia component of this unit will provide foundations for complex anaesthesia and analgesia problems, including pre-anaesthetic preparations, monitoring, pain management, fluid therapy and anaesthesia for specific diseases. The Critical Care component will focus on identification of problems within critically ill patients and managing those problems, including circulatory support, respiratory support, bleeding problems, fluid and electrolyte balance, transfusion therapy and nutrition.

Online discussion: 2 hours per week.

Prerequisites: Enrolment in the Master of Veterinary Studies (Small Animal Practice) (M1022), the Postgraduate Certificate in Veterinary Studies in Small Animal Practice (C1074), the Master of Veterinary Clinical Studies (M1223), the Doctor of Veterinary Medical Science (D1061) or permission of the Academic Chair.

Exclusions: Students who have successfully completed VET627 Veterinary Anaesthesia and Critical Care may not enrol in this unit for credit.

This unit is subject to quota. Quota is due to limited resources. Students must be enrolled in the College of Veterinary Medicine's postgraduate or graduate courses.

**Advanced Biblical Interpretation Seminar (THE617)**

Credit Points: 3

Not available this year

This unit introduces various methods that can be used in interpreting biblical texts, and shows how interpretation of a text will vary depending on the hermeneutical approach or method of interpretation used. It allows students to develop skills in interpreting texts from both the Old and New Testaments, using the various methods that come under the umbrella of historical critical methods (e.g. source, form, and redaction criticism) and newer literary methods (e.g. rhetorical, feminist, post-colonial criticism).

Seminars: 2 hours per week.

Prerequisites: THE505 Thinking Theology; THE510 Emerging Christian Theology - The Creeds (100-500CE); THE507 Introduction to the New Testament; THE506 Introduction to the Old Testament.

**Advanced Business Analysis and Design (ICT353)**

Credit Points: 4

MURDOCH: S2-internal, S2-external  
DUBAI-ISC: TMD-internal  
KAPLAN-SGP: TJA-internal, TMA-internal  
SGP1: TMB-internal, TSB-internal

This unit will build on earlier studies in Systems Analysis and Design with an emphasis on business process modelling. The concepts of business process modelling will be examined and the tools that can be used to analyse, model, and design business processes introduced. Agile system development methodologies will be contrasted with more formal approaches and the unified process life cycle model examined. Package evaluation and selection, and global distributed development processes will also be covered.

Workshops: 1 x 3 hours per week.

Prerequisites: ICT231 Systems Analysis and Design or ICT284 Systems Analysis and Design.

**Advanced Business Analysis and Design (ICT393)**

Credit Points: 3

Not available this year

This unit will build on earlier studies in Systems Analysis and Design with an emphasis on business process modelling. The concepts of business process modelling will be examined and the tools that can be used to analyse, model, and design business processes introduced. Agile system development methodologies will be contrasted with more formal approaches and the unified process life cycle model examined. Package evaluation and selection, and global distributed development processes will also be covered.

Workshops: 1 x 3 hours per week.

Prerequisites: ICT231 Systems Analysis and Design or ICT284 Systems Analysis and Design.

**Advanced Business Data Communications (ICT535)**

Credit Points: 3

MURDOCH: S2-internal

This unit is an intermediate unit that extends the study of LAN architecture previously covered and examines ways in which local networks can be interconnected to form a Wide Area Network. Virtual circuits are explored using Frame-Relay, while the Point-to-Point-Protocol is used as a contrasting approach. Complex interconnections require dynamic routing protocols and this unit examines RIP, EIGRP and OSPF. Access Control Lists are introduced as a foundation for security. Subsequent units advance these topics.

Workshops: 1 x 3 hours per week.

Prerequisites: ICT546 Local Area Network Design and Implementation and enrolment in a graduate-level IT course.

**Advanced Civil Procedure (LLB451)**

Credit Points: 3

Not available this year

This unit covers the practical application of the rules of civil procedure in Western Australia. It presupposes completion of LLB450 Civil Procedure. The unit will involve drafting court documents and other documents used in litigation, individually and in groups. Successful completion of groupwork is a major objective of the unit.

24 hours

Prerequisites: LEG120/LAW120 Research and Writing, LEG150/LAW150 Australian Legal System, LAW152 Torts, LAW130 Criminal Law and Procedure, LAW260 Contract, LAW258 Australian Administrative Law, LAW259 Constitutional Law, LAW253 Property, LAW252 Evidence. Students are advised that this unit should be taken in the last year of enrolment; PLUS concurrent enrolment with LLB450 Civil Procedure OR successful completion of LLB450 Civil Procedure.

Exclusions: Students who have successfully completed LAW350 Civil Procedure may not enrol in this unit for credit.

**Advanced Clinical Legal Education (LAW385)**

Credit Points: 4

MURDOCH: S1-internal, S2-internal

Participate in a clinical program, focusing in a particular area of legal practice such as immigration law, family law, children's rights or housing rights. Work in the legal practice based at SCALES Community Legal Centre or another external approved organisation. Assist real clients and take responsibility for actual

client files. Develop practical, legal and interpersonal skills and critically reflect upon law and the legal system within a broader social context.

1 full day per week attendance at the Law Clinic or by arrangement with external agency.

Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

Prerequisites: LEG120 (prior to 2012)/LAW120 Research and Writing, LEG150 (prior to 2011)/LAW150 Australian Legal System, LAW130 Criminal Law and Procedure, LAW152 Torts.

Exclusions: Students who have completed L300/LAW300 Special Topic: Advanced Clinical Legal Education may not enrol in this unit for credit.

### **Advanced Clinical Legal Education (LLB385)**

*As for LAW385 except:*

Credit Points: 3

Not available this year

Prerequisites: LEG120 (prior to 2012)/LAW120 Research and Writing, LEG150 (prior to 2011)/LAW150 Australian Legal System, LAW130 Criminal Law and Procedure, LAW152 Torts.

Exclusions: Students who have completed LAW385 Advanced Clinical Legal Education may not enrol in this unit for credit.

### **Advanced Criminology (CRM306)**

Credit Points: 3

Not available this year

This unit covers the theoretical explanations of criminal behaviour and its development. Theories from biological psychological, sociological, legal and economic traditions are reviewed, analysing their strengths and weaknesses.

Prerequisites: Nil.

Exclusions: Students who have successfully completed CRM206 Criminology may not enrol in this unit for credit.

### **Advanced Diagnostic Imaging (VET671)**

Credit Points: 3

Not available this year

The primary objective of this unit is for students to learn about the indications and limitations of advanced diagnostic imaging, incorporating cross-sectional imaging techniques such as computed tomography and magnetic resonance imaging.

Prerequisites: Enrolment in the Master of Veterinary Studies (Small Animal Practice) (M1022), the Postgraduate Certificate in Veterinary Studies in Small Animal Practice (C1074), the Master of Veterinary Clinical Studies (M1223), the Doctor of Veterinary Medical Science (D1061) or permission of the Academic Chair.

### **Advanced Ecology (ENV526)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit examines current theoretical and applied approaches to ecology and covers topics that are, or have emerged as, important ecological sub-disciplines at a global scale. Emphasis is placed on developing problem solving skills and critically evaluating ecological studies as well as a series of modelling exercises central to ecological sampling design.

Lectures/tutorials: 12 x 2 hours; workshop sessions: 4 x 3 hours during the 15 week semester (Wk 4, 7, 8 and 10).

Prerequisites: Enrolment in Bachelor of Marine Science or Graduate Certificate in Environmental Assessment and Management or Graduate Certificate in Environmental Science or Graduate Diploma in Environmental Science.

### **Advanced Economic Analysis: Honours (MBS545)**

Credit Points: 3

MURDOCH: S2-internal

This unit examines recent and exciting developments in economic theory and policy. Topics include intertemporal decision making, moral hazard and adverse selection, signalling and screening mechanisms, principal-agent models, New Classical macroeconomics, New Keynesian approaches to macroeconomics and modern growth theory.

Lectures/seminars: 3 hours per week.

Prerequisites: Enrolment in Bachelor of Economics with Honours.

Exclusions: Students who have completed BUS425 Advanced Economic Analysis: Honours may not enrol in this unit for credit.

### **Advanced Educational Research Seminar (EDU701)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit explores broad issues that are common to all forms of educational research. The unit has two main objectives: to help participants place their research study into a larger intellectual context, and to help participants develop a research network and program.

Face-to-face sessions: 4 x 3-hour sessions .

Prerequisites: Enrolment in EdD.

Exclusions: Students who have successfully completed E601 Advanced Educational Research Methods or E601 Paradigms of Social and Educational Research may not enrol in this unit for credit.

### **Advanced Electronic Control of Power Systems (ENG558)**

Credit Points: 3

Not available this year

This unit discusses advanced methods and electronic equipment available to the utilities for the effective management and operation of the network.

Meetings/laboratories: by arrangement with the Unit Coordinator.

Prerequisites: Enrolment in ME.

### **Advanced Engineering Research Skills (BEN300)**

Credit Points: 3

Not available this year

This unit develops research skills that students will need to apply in order to contribute to future innovations in engineering technology. Students will learn how to identify where opportunities exist to make a significant contribution in the area of their engineering major. Students will develop skills in preparing a research proposal, conducting literature reviews, formulating and testing hypotheses, writing peer review articles and writing a thesis. Students will apply these skills on a research task in their discipline area.

Prerequisites: BEN200 Engineering Research Skills; MAS261 Mathematical Methods.

### Advanced Games Design and Programming (ICT311)

Credit Points: 4

MURDOCH: S1-internal, S1-external

This unit extends the material studied in ICT207 Games Design and Programming with an emphasis on the construction of efficient and re-usable games software. It provides an advanced and in-depth coverage of theory, algorithms and software engineering techniques underlying various game engine components. Topics include software design patterns, 3D character animation, intelligent character simulation, scripting, collision detection, and simulation and manipulation of 3D terrains. Further topics may include issues with Internet-based multi-player online games.

Lectures: 1 x 2 hours per week; tutorials: 1 x 2 hours per week (1 hour unsupervised).

Prerequisites: ICT207 Games Design and Programming.

### Advanced Games Design and Programming (ICT397)

*As for ICT311 except:*

Credit Points: 3

Not available this year

Prerequisites: ICT290 Games Design and Programming OR ICT207 Games Design and Programming.

Exclusions: Students who have successfully completed ICT311 Advanced Games Design and Programming may not enrol in this unit for credit.

### Advanced Honours Research Preparation (MBS517)

Credit Points: 3

MURDOCH: S1-internal, S2-internal

Prerequisites: Enrolment in Honours in Commerce.

Exclusions: Students who have completed BUS4013 Advanced Honours Research Preparation may not enrol in this unit for credit.

### Advanced Honours Topic A (MBS516)

Credit Points: 3

MURDOCH: S1-internal, S2-internal, Y-internal

Prerequisites: Enrolment in Honours in BBus.

Exclusions: Students who have completed BUS4011 Advanced Honours Topic in Commerce may not enrol in MBS516 for credit.

### Advanced Honours Topic B (MBS512)

Credit Points: 3

MURDOCH: S1-internal, S2-internal, Y-internal

Prerequisites: Enrolment in Honours in BBus.

Exclusions: Students who have completed BUS4012 Advanced Honours Topic in Commerce may not enrol in this unit for credit.

### Advanced Honours Topic in Economics (MBS500)

Credit Points: 3

MURDOCH: S1-internal

In Australia and throughout the world, governments face a challenging and complex set of economic issues which require timely and appropriate policy responses to assist in the welfare and well-being of current and future generations. This unit explores and applies economic concepts and theories to specific Australian microeconomic and macroeconomic policy issues. Key policy options and debates will be evaluated, including labour market policy, the funding of higher education, climate change policy, the federal budget, and Australian-Chinese economic relations.

Seminars: 3 hours per week

Prerequisites: Enrolment in Honours in Economics.

Exclusions: Students who have completed BUS4001 Advanced Honours Topic in Economics may not enrol in this unit for credit.

### Advanced Human Resource Perspectives (BUS320)

Credit Points: 4

MURDOCH: S1-internal, S1-external

KAPLAN-SGP: TMA-internal

KDUPJ: S1U-internal

SGP1: TMB-internal

This unit focuses on managing human resources at a strategic level, in order to meet organisational goals pertaining to sustainability and competitive advantage. It aims to give students an understanding of how effective implementation of human resource management practice offers benefits to both the organisation and the individual. Topics covered will be broad and include, but are not limited to, attraction and retention of staff, how to manage performance, rewarding employees, career management and contemporary issues in HR practice.

Lectures: 1 hour per week; workshops: 2 hours per week.

Prerequisites: BUS240 Organisation Management and Development or BUS240 Organisational Development and Human Resources Management or BUS297 Principles of Human Resources Management.

### Advanced Human Resource Perspectives (BUS340)

*As for BUS320 except:*

Credit Points: 3

Not available this year

Seminar: 3 hours per week

Prerequisites: BUS297 Principles of Human Resources Management

Exclusions: Students who have successfully completed BUS320 Advanced Human Resource Perspectives may not enrol in this unit for credit.

### Advanced Information Technology Research Project (ICT708)

Credit Points: 12

MURDOCH: S1-internal, S2-internal

The purpose of this unit is to provide students with the skills, knowledge and experience to conduct research in computer science and/or information systems. The unit provides students with the opportunity to gain research experience and training by undertaking a substantial research project of their choice. The research undertaken in this unit will provide the foundation study for the subsequent thesis unit ICT702 Doctor of Information Technology Thesis.

Seminars/supervisor meetings: 1 hour per week average.

Prerequisites: Enrolment in the Doctor of Information Technology.

### Advanced IT Study Project (ICT517)

Credit Points: 3

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

The purpose of this unit is for students to study an advanced topic of current interest within the information technology community that is of personal interest to the student but not available as a formal unit. Students will be in regular contact with their academic supervisor and submit reports for assessment.

Seminars: 1 x 3 hours per week.

Prerequisites: Enrolment in a graduate-level IT course. or permission of the Academic Chair.

Exclusions: Students who have completed ICT617 Advanced IT Study Project may not enrol in this unit for credit.

### Advanced Media Projects (MCC538)

Credit Points: 12

MURDOCH: S1-internal, S2-internal, Y-internal

This advanced production unit focuses on the production of a major creative project in the candidate's discipline area. The unit helps to sharpen skills in research, story development, pre-visualisation and creative development by working with an academic supervisor. Production is to a professional standard that should result in performance or distribution.

Under supervision.

Prerequisites: Enrolment in Graduate Diploma/graduate studies in Media Production.

### Advanced Mental Health Nursing (NUR614)

Credit Points: 3

Not available this year

Critically examines mental health theory appropriate to selected areas of mental health clinical specialty. Coursework will be set in the area of mental health clinical specialty with core components of counselling, advanced assessment skills and advanced risk assessment/management skills. Facilitates students' critical examination of contemporary and past mental health nursing practice with a view to determining best practice.

Prerequisites: Enrolment in a graduate-level Nursing course.

### Advanced Mineral Processing (ENG566)

Credit Points: 3

MURDOCH: S1-internal, S1-external

Incorporates the main aspects of mineral processing. Enables students to follow the material in Extractive Metallurgy I and Extractive Metallurgy II, and qualify for professional member status with The Australasian Institute of Mining and Metallurgy. Deals with sampling, particle characterisation, comminution and classification, physical processes of mineral concentration involving dense media and gravity separation, magnetic and electrostatic separation and ore sorting techniques. Froth flotation of minerals, coagulation, flocculation, agglomeration, dewatering of concentrates and tailings disposal are covered.

Lectures: 3 hours per week.

Prerequisites: Students need to have completed ENG524 Metallurgical Unit Operations and ENG565 Mineralogy for Metallurgists, or have approval by the unit coordinator, prior to

enrolling in this unit.

Exclusions: Students who have completed EXM504/301 Mineral Processing or ENG324 Principles of Mineral Processing are not eligible to enrol in this unit for credit.

### Advanced Network Design (ICT347)

Credit Points: 4

MURDOCH: S2-internal

This unit examines the advanced routing topics associated with the design and management of large-scale IP networks. The technologies covered are typically found in large corporate, government, telecommunication carrier and ISP networks. Topics include: Network design, verification plans, EIGRP, OSPF, IGP redistribution, policy-based routing and IP service-level agreement (IP SLA), BGP, IPv4 and IPv6 coexistence, and routing over branch Internet connections.

Lectures: 1 x 2 hours per week; tutorials: 1 x 2 hours per week.

Prerequisites: ICT120 Principles of Data Communications OR ICT291 Network Design and Implementation.

### Advanced Network Design and Implementation (ICT372)

Credit Points: 3

Not available this year

This unit examines the advanced routing topics associated with the design and management of large-scale IP networks. The technologies covered are typically found in large corporate, government, telecommunication carrier and ISP networks. Topics include: Network design, verification plans, EIGRP, OSPF, IGP redistribution, policy-based routing and IP service-level agreement (IP SLA), BGP, IPv4 and IPv6 coexistence, and routing over branch Internet connections.

Lectures: 2 hours per week; tutorials: 2 hours per week.

Prerequisites: ICT120 Principles of Data Communications OR ICT291 Network Design and Implementation.

Exclusions: ICT347 Advanced Network Design.

### Advanced New Testament Exegesis (THE477)

Credit Points: 4

MURDOCH: S1-external

A study of New Testament writings, their structure, themes and settings, with detailed exegesis including greater attention to the original Greek text and the option for assessment based on either the English or Greek text. Normally selected writings will be either Romans or from among the Gospels (2012: Gospel Traditions). This unit may be taken more than once, with different content.

Prerequisites: One 200-level New Testament unit apart from THE203 New Testament Greek II and enrolment in BA (Theology) (B1113), BA (Theology) (Honours) (H1131) or Bachelor of Theology (B1115); for students choosing the Greek option, competence in Greek to the level of THE203 New Testament Greek II.

Exclusions: Students who have successfully completed this unit or S424 Romans or S425 Gospel Traditions at 400-level may enrol in the parallel higher-level unit for credit and vice versa where the selected writings are different.

**Advanced Old Testament Exegesis (THE498)**

Credit Points: 4

MURDOCH: S2-external

Study at greater depth major blocks of Old Testament material, enabling further skills development in exegetical approaches while examining literary, historical, sociological and theological features of blocks of material other than those previously studied. Greater use will be made of Biblical Hebrew, but ability to read Hebrew is not essential. Two assessment options will be available, one based on the English text and the other primarily using Hebrew. This unit may be taken more than once, with different content.

Prerequisites: One 200-level Old Testament unit apart from S237/THE201 Biblical Hebrew II; enrolment in BA (Theology) (B1113), BA (Theology) (Honours) (H1131) or BTheology (B1115). For students choosing the Hebrew option, competence in Hebrew to the level of S237/THE201 Biblical Hebrew II.

Exclusions: Students who have successfully completed this unit or S420 Historical Literature of Israel or S421 Prophetic Literature of Israel may enrol in the parallel higher-level unit for credit and vice versa where the selected writings are different.

**Advanced Photographic Studio (PHO306)**

Credit Points: 3

Not available this year

Advanced photographic practice, lighting and studio technique. Covers all major aspects of controlled lighting and studio based photographic practice. This course introduces students to advanced techniques in studio lighting and their creative applications. The course focuses on the use of artificial lighting techniques for studio lighting set-ups in addition to specific lighting techniques for portraiture and still life. The emphasis is on the development of studio based technical skills central to the advancement of the student's portfolio work.

Lectures: 1 hour; workshops: 2 hours.

Prerequisites: PHO124 Photography 1 and PHO203 Photography 2.

**Advanced Policy Case Study (SWM620)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal, W-internal

The advanced case study enables students to analyse in depth an issue of policy significance using relevant conceptual tools, professional skills, and theoretical perspectives. The case study (up to 5,000 words) can focus upon either governmental or non-governmental issues, at international, national, state or local level. Through undertaking the case study, students develop evaluative, analytical and critical skills.

Readings/Self-Directed Study: 5 hours per week; Assessment: 5 hours per week.

Prerequisites: Enrolment in the Master of Public Policy and Management, Master of Development Studies, or Master of International Affairs; completion of at least 24 credit points.

Exclusions: Students who have successfully completed SSH620 Advanced Policy Case Study can not enrol in this unit for credit.

**Advanced Principles and Practices in Early Childhood Education (EDN520)**

Credit Points: 3

MURDOCH: S1-internal (closed), S1-external

This unit addresses theories of play and development, learning, and pedagogy for young children specifically children in classes

kindergarten to year two. It is designed for practicing primary school teachers who wish to make the early years a specialisation.

Lectures: 1 hour per week, workshops: 2 hours per week.

Prerequisites: Enrolment in the Graduate Diploma of Early Childhood Education and Care or the Graduate Certificate in Early Childhood Education.

**Advanced Process Engineering (ENG308)***As for ENG303 except:*

Credit Points: 3

Not available this year

**Advanced Projects in Chemistry and Mineral Science (CHE306)**

Credit Points: 4

MURDOCH: S1-internal, S2-internal, SUM-internal

Most laboratories undertaken as an undergraduate student are limited to a single 4 hour session. However, scientific investigations in the workplace are often conducted over days or months. Additionally, scientists may have to search literature, develop methods, and incorporate data from bioassays/industrial processes into their work. This project unit allows students to undertake a semester long research study under the guidance of a member of the Chemical and Analytical Sciences staff, providing valuable experience in scientific practice.

No formal timetabling. Students will complete a minimum of 72 hours laboratory work, organised individually in consultation with Supervisor.

Prerequisites: Students need to have completed a minimum of 24 points at Part II level.

Not available for self enrolment. Permission of the Unit Co-ordinator is required to enrol in this unit.

It would be expected that students will undertake this unit in their final university year. Students will be required to organise a suitable supervisor in the semester immediately prior to the one in which they wish to undertake the subject, and that supervisor must formally agree to the student's candidature. Students must complete the Safety in Science course prior to undertaking this unit. The Safety in Science course is usually run in the week before semester begins but students are urged to communicate with their proposed supervisor on the precise timing. All projects must be approved by the Unit Co-ordinator prior to the beginning of semester.

**Advanced Projects in Chemistry and Mineral Science (CHE309)***As for CHE306 except:*

Credit Points: 3

Not available this year

**Advanced Protected Area Management and Planning (ENV637)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit will develop an advanced understanding of the planning, management and governance of protected areas. The place of protected areas in broader land- and seascapes and as part of broader society will be intensively analysed. Balancing multiple values, such as nature conservation, tourism, and Indigenous and cultural heritage, and understanding and managing critical landscape processes such as fire, pests and weeds are pivotal

concerns. Emphasis is placed on global case studies, with adaptive management a particular focus.

Lectures: 2 hours per week; tutorials: 1 hour per week; field trips: 1 x 15 hours.

Prerequisites: Enrolment in a Masters-level qualification.

### Advanced Psychological Assessment (PSY598)

Credit Points: 3

MURDOCH: S1-internal

This unit examines the major theoretical issues, practical applications and ethical considerations associated with individual and group psychological assessment and measurement techniques.

Lectures: 3 hours.

Prerequisites: Nil.

Exclusions: Students who have successfully completed PSY431 Psychology: Principles of Psychological Assessment may not enrol in this unit for credit.

### Advanced Qualitative Approaches to Research (EDU743)

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit addresses the way that interpretive frameworks in Education and Social Science shape and frame the way theory, methodology and research methods interact throughout the research enterprise to influence questions asked, methods used, data collected, and the sense we make of them. Attention is also given to how the role of researcher and 'researched' influence knowledge production. Exemplary qualitative research texts are used to deepen student's understanding of the way multi-modal qualitative approaches can build theory and knowledge.

Internal: 3 hours per week.

Prerequisites: EDU603/610 Introduction to Research for Educators, EDU602 Developing Research Capacities for Educators, F434/EDU434/F634 Qualitative Research Methods I, R315/PSY315 Psychology: Qualitative Methods, or permission of the Unit Coordinator.

In order to progress to the dissertation component, students must achieve a minimum of 65% across all units, a minimum of 65 % in Research Methodology units and pass the exam.

### Advanced Research Methods (ART604)

Credit Points: 3

MURDOCH: S1-internal, S1-external

The unit will introduce basic research topics: constructing a thesis, referencing and bibliographies; and some of the fundamental approaches used in the various disciplines of Social Sciences and Humanities. Students undertaking the unit must have a research supervisor, and enrol in the unit during the period they are beginning their research.

Lectures/seminars: 3 hours per week.

Prerequisites: Enrolment in Honours or a graduate-level (AQF level 9) course.

It is imperative that students undertaking the unit have a research supervisor, and enrol in the unit during the period they are beginning their actual research dissertation or project.

A result of Ungraded Pass or Fail is awarded for this unit.

### Advanced Research Methods for Scientists (VLS683)

Credit Points: 3

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Students will explore advanced approaches to research design and analysis, and issues that affect decision-making in research. A range of methods, both quantitative and qualitative from the natural and social sciences, will be covered in this unit. These methods will have relevance to students interested in progressing their academic career as well as those working and intending to work in industry, government and the not-for-profit sectors.

Lectures: 16 hours; tutorials: 8 hours; student seminars: 3 hours over the semester.

Prerequisites: Enrolment in Honours or a graduate-level (AQF level 9) course or Bachelor Environmental Science.

Exclusions: Students who have successfully completed ENV523 Environmental Science Research Methods or ENV683 Advanced Environmental Science Research Methods may not enrol in this unit for credit.

Honours students are advised to complete this unit in their first semester of enrolment.

### Advanced Routing (ICT611)

Credit Points: 3

MURDOCH: S2-internal

This unit examines the advanced routing topics associated with the design and management of large-scale IP networks. The technologies covered are typically found in large corporate, government, telecommunication carrier and ISP networks. Topics include: Network design, verification plans, EIGRP, OSPF, IGP redistribution, policy-based routing and IP service-level agreement (IP SLA), BGP, IPv4 and IPv6 coexistence, and routing over branch Internet connections.

Workshops: 1 x 3 hours per week.

Prerequisites: ICT535 Advanced Business Data Communications; enrolment in a graduate IT course or permission of the Academic Chair.

Exclusions: Students who have completed ICT647 Advanced Network Design may not enrol in this unit for credit.

### Advanced Screen Production (MCC302)

Credit Points: 4

MURDOCH: S2-internal (quota of 60 places)

DUBAI-ISC: TMD-internal

This is a follow-on unit from MCC201 Professional Development in Screen Production and MCC353 Writing for the Screen. It provides students with an opportunity for creating a short film production of their choosing in the available media of film or digital video. The unit is designed with a degree of individual flexibility and programs of work can be designed to meet specialist needs. Students are encouraged to produce a portfolio of work for future Screen Production career purposes.

Lectures: 1 hour per week; workshops: 2 hours per week.

Note: Lectures and workshops/tutorials commence in Week 1 of the semester.

Prerequisites: MCC201 Professional Development in Screen and Sound Production (or MED301 Professional Development in Screen Production or MED301 Screen Projects).

Exclusions: Students who have successfully completed MED302 Advanced Screen and Sound Production may not enrol in this unit for credit.



This unit is subject to quota. Quota is due to space and equipment constraints and the production intensity. Selection is based on grades achieved in prerequisites.

### **Advanced Screen Production (SCR320)**

*As for MCC302 except:*

Credit Points: 3

Not available this year

This unit is not subject to quota.

### **Advanced Skills and Motor Control (EXS305)**

*As for EXS330 except:*

Credit Points: 3

Not available this year

Lectures: 2 hours per week; laboratories: 2 hours per fortnight.

Prerequisites: EXS205 Acquisition of Skills and Motor Control

Exclusions: Students who have successfully completed EX322/CHI322 Acquisition of Skills and Motor Control may not enrol in this unit for credit.

### **Advanced Skills and Motor Control (EXS330)**

Credit Points: 2

MURDOCH: S2-internal

This unit continues from CHI/EXS322 Acquisition of Skills and Motor Control by covering topics including but not limited to: advanced motor control theories; neurophysiological basis of motor control; motor control disorders and their neural origin; motor control deficits that accompany common disorders of the somatosensory system, basal ganglia, cerebellum and motor cortex; and principles for structuring re-learning of motor skills.

Lectures: 1 hours per week; laboratories: 2 hour per fortnight.

Prerequisites: CHI322/EXS322 Acquisition of Skill and Motor Control.

Exclusions: Student who have successfully completed CHI330 Advanced Skills and Motor Control may not enrol in this unit for credit.

### **Advanced Socio-legal Research Methods (CRM530)**

Credit Points: 3

MURDOCH: S1-internal, Y-internal

Designed to assist students with their honours thesis by providing a deeper examination of the epistemological and methodological basis of quality empirical and doctrinal research. Students are required to rigorously engage with material presented in class through a consideration of their own thesis proposal to better understand the dominate paradigms they are engaging in, as well as the scope and limitations of their work. Students should gain a clear understanding of their thesis project upon successful completion of this unit.

Contact times are determined by the placement supervisor in conjunction with the student.

Prerequisites: Nil.

### **Advanced Socio-legal Research Methods for Legal Studies (LEG512)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal, Y-internal

Designed to assist students with their honours thesis by providing a deeper examination of the epistemological and methodological basis of quality empirical and doctrinal research. Students are required to rigorously engage with material presented in class through a consideration of their own thesis proposal to better understand the dominate paradigms they are engaging in, as well as the scope and limitations of their work. Students should gain a clear understanding of their thesis project upon successful completion of this unit.

Contact times are determined by the placement supervisor in conjunction with the student.

Prerequisites: Nil.

### **Advanced Sports Psychology (EXS301)**

Credit Points: 3

Not available this year

The unit provides students with contemporary knowledge on the application of Sport and Exercise Psychology to the elite sport domain. Based on the scientist-practitioner model (Barlow, Hayes and Nelson, 1984) the unit encourages students to become familiar with research methods and develop competence in creating and consuming science in the field of Sport and Exercise Psychology.

Lectures: 2 hours; workshops: 2 hours.

The research project includes involvement in physical activity in the Sports Science laboratory of the School of Psychology and Exercise Science and occurs during the scheduled workshop.

Prerequisites: EXS201 Sports Psychology.

Exclusions: Students who have successfully completed CHI331/EXS331 Advanced Sports Psychology may not enrol in this unit for credit.

### **Advanced Sports Psychology (EXS331)**

Credit Points: 2

MURDOCH: S2-internal

This unit provides students with contemporary knowledge on the application of Sport and Exercise Psychology to the elite sport domain. Based on the scientist-practitioner model (Barlow, Hayes and Nelson, 1984) the unit encourages students to become familiar with research methods and develop competence in creating and consuming science in the field of Sport and Exercise Psychology.

Lectures: 2 hours per week; laboratories/workshops: 2 hours per week.

The research project includes involvement in physical activity. The location of the physical activity takes place in the Sports Science laboratory of the School of Psychology and Exercise Science and occurs during the scheduled workshop.

Prerequisites: CHI224/EXS224 Sport Psychology.

Exclusions: Student who have successfully completed CHI331 Advance Sports Psychology may not enrol in this unit for credit.



**Advanced Study Topics (CHI678)**

Credit Points: 4

Not available this year

This unit offers the students an opportunity to pursue advanced areas of study in topics that will expand the knowledge framework contained within the Masters course. The topic of interest should be used to gain expertise in their chosen field of interest and result in an expansion of their practical skills that will be required in industry or research. It is a requirement that the chosen special topic be approved by the Unit Coordinator and the Academic Chair of graduate courses.

Prerequisites: Enrolment in the Master of Neuromusculoskeletal Rehabilitation including completion of 24 points of graduate work such as the Postgraduate Certificate/Diploma in Neuromusculoskeletal Rehabilitation or Postgraduate Diploma in Sports Chiropractic, or their equivalents.

**Advanced Surgical Techniques (VET647)**

Credit Points: 3

Not available this year

Students will learn advanced techniques in veterinary soft tissue and orthopaedic surgery. This unit comprises an intensive workshop and wetlab taught on campus, together with coursework in distance learning mode.

40 hours workshop and wetlab.

Prerequisites: Enrolment in the Master of Veterinary Studies, Doctor of Veterinary Medical Science, or Master of Veterinary Clinical Studies.

This unit is subject to quota. Quota is due to limited resources. Selection is by application only.

**Advanced Topic in Media Production (MCC5101)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal

This unit is designed for students to familiarise themselves with specific and advanced production skills relating to the interpretation of specific genre codes, conventions and production techniques in a particular genre.

Workshops: 2 hours per week.

Note: Lectures and workshops/tutorials commence in Week 1 of the semester.

Prerequisites: Enrolment in Graduate Certificate in Media Production or Graduate Diploma in Media Production.

**Advanced Topic in Media Production (MCC5102)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal

In this unit students produce a project for an outside client, often of a community or NGO nature, from Police WA to Princess Margaret Hospital or perhaps local businesses or bands.

Prerequisites: Enrolment in Graduate Certificate in Media Production or Graduate Diploma in Media Production.

**Advanced Topic in Media Production (SCR510)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal

This is a unit, specific to the candidate's program of study, designed to afford focus on a related area of research, professional practice or production.

Prerequisites: Enrolment in Graduate Certificate in Media Production or Graduate Diploma in Media Production.

**Advanced Topics in Equine Practice (VET543)**

Credit Points: 6

MURDOCH: S2-internal

This 12 week full-time unit allows students to undertake focused study in the discipline of equine practice. Students will have the opportunity to extend their theoretical knowledge and develop species-specific skills and professional competence beyond the minimum standards required for graduation and registration. As part of this unit students will be required to participate in learning activities off campus.

Approximately 40 hours per week.

Prerequisites: Enrolment in Bachelor of Veterinary Medicine and Surgery.

Completion of VET457, VET463, VET454, VET453, VET458, VET452, VET455, VET419, VET451.

Concurrent enrolment or completion of VET585, VET586, VET587, VET590 and VET538.

**Advanced Topics in Exercise Physiology (EXS404)****As for EXS569 except:**

Credit Points: 3

Not available this year

Lectures: 2 hours

Prerequisites: Successful completion of either CHI552/EXS552/EXS401 Cardiopulmonary Rehabilitation or CHI553/EXS553/EXS402 Neuromuscular Rehabilitation or CHI551/EXS551/EXS403 Metabolic Rehabilitation.

Exclusions: Students who have successfully completed CHI569/EXS569 Advanced Topics in Exercise Physiology may not enrol in this unit for credit.

**Advanced Topics in Exercise Physiology (EXS569)**

Credit Points: 2

MURDOCH: T3-internal

This unit will provide the student with an advanced understanding of high-interest areas and current topics in the field of Exercise Physiology. Advanced topics discussed may include evidence-based exercise programs, ergonomics and assessment of activities of daily living.

Lectures: 2 hours.

Prerequisites: The successful completion of either CHI552/EXS552 Cardiopulmonary Rehabilitation or CHI553/EXS553 Neuromuscular Rehabilitation or CHI551/EXS551 Metabolic Rehabilitation.

Exclusions: Student who have successfully completed CHI569 Advanced Topics in Exercise Physiology may not enrol in this unit for credit.

### **Advanced Topics in Mixed Animal Practice (VET542)**

Credit Points: 6

MURDOCH: S2-internal

This 12 week full-time unit allows students to undertake focused study in the discipline of mixed veterinary practice. Students will have the opportunity to extend their theoretical knowledge and develop practical skills and professional competence beyond the minimum standards required for graduation and registration. As part of this unit students will be required to participate in learning activities off campus.

Approximately 40 hours per week.

Prerequisites: Enrolment in Bachelor of Veterinary Medicine and Surgery.

Completion of VET457, VET463, VET454, VET453, VET458, VET452, VET455, VET419, VET451.

Concurrent enrolment or completion of VET585, VET586, VET587, VET590 and VET538.

### **Advanced Topics in Physics and Nanotechnology: Experimental (PEN523)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit extends the study of solid state and surface physics with practical aspects of interactions between radiation fields and matter. Analytical and experimental techniques are introduced by providing the theoretical background and laboratory practices necessary for undertaking experimental research in physics and nanotechnology. Nanocharacterisation and surface analysis techniques included in this unit are: vacuum, thin film fabrication, microscopies (FESEM, TEM, AFM and STM) and spectroscopies (XRD, XPS, AES, FTIR Raman, UV-Vis and synchrotron radiation).

Internal students: lectures: 2 hours per week; tutorials: 1 hour per week; laboratories: 3 hours per week for 8 weeks.

External students: Compulsory 4-day on-campus laboratory session.

Prerequisites: PEC231 Modern Physics; PEC232 Electromagnetism; PEC317 Physics of Materials.

### **Advanced Topics in Physics and Nanotechnology: Theoretical (PEN530)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit investigates the theory behind the surface analysis methods used in materials science. The introduction deals with solid surfaces, their structure and composition and UHV basics. There is a section on analysis techniques, for example electron microscopy, sputter depth profiling, SIMS, AES, XPS, scanning probe microscopy and LEED. The final section looks at some of the applications for which these techniques can be used, such as investigating semiconductor devices and thin film analysis.

Lectures/tutorials: 1 x 3 hours per week.

Prerequisites: PEC231 Modern Physics and PEC317 Physics of Materials.

### **Advanced Topics in Production Animal Practice (VET544)**

Credit Points: 6

MURDOCH: S2-internal

This 12 week full-time unit allows students to undertake focused study in veterinary aspects of production animal medicine. Students

will have the opportunity to extend their theoretical knowledge and develop practical skills and professional competence beyond the minimum standards required for graduation and registration. As part of this unit students will be required to participate in learning activities off-campus.

Approximately 40 hours per week.

Prerequisites: Enrolment in Bachelor of Veterinary Medicine and Surgery.

Completion of VET457, VET463, VET454, VET453, VET458, VET452, VET455, VET419 and VET451.

Concurrent enrolment or completion of VET585, VET586, VET587, VET590 and VET538.

### **Advanced Topics in Small Animal Practice (VET541)**

Credit Points: 6

MURDOCH: S2-internal

This 12 week full-time unit allows students to undertake focused study in the discipline of small animal practice. Students will have the opportunity to extend their theoretical knowledge and develop practical skills and professional competence beyond the minimum standards required for graduation and registration. As part of this unit students may be required to participate in learning activities off-campus.

Approximately 20 hours per week of supervised clinical practice.

Two weeks of external placement related to the field of small animal practice are necessary within this Unit. Self-directed learning between scheduled activities is encouraged during the rotation, centred on clinical cases seen at Murdoch University Veterinary Hospital.

Prerequisites: Enrolment in Bachelor of Veterinary Medicine and Surgery.

Completion of VET419, VET451, VET452, VET453, VET454, VET455, VET457, VET458 and VET463.

Concurrent enrolment or completion of VET538, VET585, VET586, VET587 and VET590.

### **Advanced Topics in Veterinary Science (VET546)**

Credit Points: 6

MURDOCH: S2-internal

This 12 week full-time unit allows students to undertake focused study in an area of veterinary science outside that of general clinical practice. Students have the opportunity to extend their theoretical knowledge and develop advanced specific skills and professional competence. Part or all of this unit may involve an externship with an approved agency.

Approximately 40 hours per week.

Prerequisites: Enrolment in Bachelor of Veterinary Medicine and Surgery.

Completion of VET419, VET451, VET452, VET453, VET454, VET455, VET457, VET458 and VET463.

Concurrent enrolment or completion of VET538, VET585, VET586, VET587 and VET590.

### **Advanced Topics in Wildlife, Zoological and Conservation Medicine (VET545)**

Credit Points: 6

MURDOCH: S2-internal

This 12 week full-time unit allows students to undertake focused study in veterinary aspects of wildlife, zoological or conservation medicine. Students will have the opportunity to extend their theoretical knowledge and develop practical skills and professional competence beyond the minimum standards required for

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graduation and registration. As part of this unit students will be required to participate in learning activities off campus.

Approximately 40 hours per week.

Prerequisites: Enrolment in Bachelor of Veterinary Medicine and Surgery.

Completion of VET457, VET463, VET454, VET453, VET458, VET452, VET455, VET419 and VET451.

Concurrent enrolment or completion of VET585, VET586, VET587, VET590 and VET538.

### **Advanced Veterinary Case Management (VET675)**

Credit Points: 3

MURDOCH: H-internal, S1-internal, S2-internal, Y-internal

This unit provides case exposure and advanced, directly-supervised training in discipline-relevant case management, as defined by the relevant College or Chapter of the Specialty Board. 'Case exposure' is defined as discipline-relevant material that might include animals referred to MUVH for clinical management (diagnosis and treatment), necropsies, histopathology, examinations, or laboratory case data. Students do not have to be enrolled in Specialty Board training in order to take this unit. Assessment includes completion of a comprehensive case log.

Contact time will vary according to discipline.

Prerequisites: Enrolment in the Master of Veterinary Clinical Studies.

### **Advanced Veterinary Case Management (VET6751)**

*As for VET675 except:*

Credit Points: 6

MURDOCH: H-internal, S1-internal, S2-internal, Y-internal

Approximately 300 hours.

### **Advanced Veterinary Case Management (VET6752)**

*As for VET675 except:*

Credit Points: 9

MURDOCH: H-internal, S1-internal, S2-internal, Y-internal

Approximately 450 hours.

### **Advanced Veterinary Case Management 2 (VET676)**

Credit Points: 3

MURDOCH: H-internal, S1-internal, S2-internal, Y-internal

This unit provides further case exposure and advanced, directly-supervised training in speciality-relevant veterinary case management. 'Case exposure' is defined as speciality-relevant material that might include animals referred to MUVH for clinical management (diagnosis and treatment), necropsies and histopathology examinations, or laboratory case data. Assessment includes completion of a comprehensive case log.

Contact time will vary according to speciality.

Prerequisites: Enrolment in the Master of Veterinary Clinical Studies.

### **Advanced Veterinary Case Management 2 (VET6761)**

*As for VET676 except:*

Credit Points: 6

MURDOCH: H-internal, S1-internal, S2-internal, Y-internal

### **Advanced Veterinary Case Management 2 (VET6762)**

*As for VET676 except:*

Credit Points: 9

MURDOCH: H-internal, S1-internal, S2-internal, Y-internal

### **Advanced Web Communication Project (WEB567)**

Credit Points: 3

MURDOCH: S2-internal

This is a project-based unit with the emphasis on the development, implementation and successful completion of authentic, client based web communication projects. Students critically analyse issues drawn from social, political, business, and non-profit cases. Student teams apply principles learned in this unit and prior units to work with clients using research and strategic analysis to create solutions to web communications challenges.

Laboratories: 2 hours; online lectures: 1 hour.

### **Advanced Web Design (IDD338)**

Credit Points: 3

Not available this year

This unit explores more advanced aspects of the design and development of websites for real world clients, such as engaging responsive design, content management systems and project management aspects. Students participate in group-based design, production and project management methods toward the successful completion of a project.

Online lecture; media laboratories: 2.5 hours per week

Prerequisites: MCC218 Web Games Design and Production (or MCC218 Interactive Multimedia II); MCC263 Web Design OR MCC251 Interactive Multimedia (or MUL217 Interactive Multimedia I).

Exclusions: Students who have successfully completed MUL338 Advanced Multimedia Workshop or MCC338 Multimedia Client Project or IDD338 Web Client Project may not enrol in this unit for credit.

### **Advanced Web Programming (ICT375)**

Credit Points: 3

Not available this year

Lectures: 1 x 2 hours per week; tutorials: 1 x 2 hours per week (1 hour unsupervised).

Prerequisites: Nil.

### **Advances in Medical Science (BMS315)**

Credit Points: 3

Not available this year

This capstone unit examines the cause, pathogenesis, diagnosis, prevention and treatment of a select group of major human disorders that may be inherited, infectious, reproductive or malignant in nature. These include HIV AIDS, sepsis, malaria, infertility, asthma, neurological diseases and cancer. Emphasis is placed on sophisticated new technologies being used in medical research and how these are beginning to impact on our

understanding and control of human disease. The unit integrates various disciplines including molecular biology, immunology, microbiology and pharmacology.

Lectures: 3 hours per week; workshops: 2 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed BMS368 Advances in Medical Science may not enrol in this unit for credit.

### Advances in Medical Science (BMS368)

Credit Points: 4

MURDOCH: S2-internal

This unit examines the cause, pathogenesis, diagnosis, prevention and treatment of a select group of major human disorders which may be inherited, infectious, reproductive or malignant in nature. These include HIV AIDS, sepsis, malaria, infertility, asthma, neurological diseases and cancer. Emphasis is placed on sophisticated new technologies being used in medical research and how these are beginning to impact on our understanding and control of human disease. The unit integrates various disciplines including molecular biology, immunology, microbiology and pharmacology.

Lectures: 4 hours per week; workshops: 3 hours per week.

Prerequisites: BMS360/BMS314 Mechanisms of Disease or permission of the Unit Coordinator; and either BMS203 Human and Comparative Microbiology or BIO263/BIO246 Microbiology I; and either BMS265 Medical Immunology and Molecular Genetics or BIO252/BIO243 Immunology, Vaccines and Cell Culture.

### Aesthetics (PHL315)

Credit Points: 3

Not available this year

We readily talk about beauty and art in everyday life, but it is hard to say exactly what makes something beautiful or what makes it a work of art. Reflecting on the nature of beauty and the definition of art, aesthetics is one of the oldest fields of philosophical enquiry. This unit will examine philosophical questions concerning the aesthetics of art, music and architecture as well as explore the link between aesthetical and ethical values.

Lectures: 1 hour per week; tutorials: 1.5 hours per week; across 12 weeks, 30 hours in total.

Prerequisites: Nil.

### After Power: The Fall of Regimes and Rulers (HIS203)

Credit Points: 4

Not available this year

Examines (i) how political regimes in the modern period have ended (orderly transition, dramatic collapse of individual leader, defeat in war, societal revolution) and (ii) the political and personal consequences for former leaders (including Washington, Napoleon, Nicholas II, Churchill, Nixon, Amin, Mandela, Gorbachev, Thatcher, Pinochet, Milosevic, Hussein). Key themes include: the comparison of legitimate and 'criminal' regimes/leaders; the growth of the concept of accountability; the mechanics of regime change; and legacies of power in the post-colonial world.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil.

### Alternative Screens (SCR303)

Credit Points: 3

Not available this year

Dedicated to providing students with a conceptual variation to the traditional industry model of screen production, being primarily drama and documentary, this unit will engage with moving image theory and practice in new and exciting ways. The content of this unit will evolve with the existence and emergence of Murdoch screen academics' past, current, and future research projects. It is highly recommended that students who wish to explore their screen production creativity participate in this unit.

Prerequisites: MCC128 Screen Production.

Exclusions: Students who have successfully completed MCC231 Narrating the Nation: Media, Identity, Culture or MED231 Australian Cinema may not enrol in this unit for credit.

### American Indian History (HIS323)

Credit Points: 3

Not available this year

Prerequisites: Nil.

Exclusions: Students who have successfully completed HIS223 American Indian History cannot enrol for credit in this unit.

### Anaesthesia, Emergency and Critical Care (VET456)

Credit Points: 3

MURDOCH: S2-internal

Students are taught local and general anaesthetic techniques of small and large animals, the recognition and management of common anaesthetic emergencies and complications and techniques for postoperative analgesia plus the assessment and principles of treatment of animals that are presented as acute emergencies, including intoxications, and those that are critically ill. Students must learn basic practical skills.

Lectures: 4 x 1 hour per week; tutorials: 5 per semester - 3 x 2 hours and 2 x 5 hours.

Prerequisites: Enrolment in Applied Veterinary Medicine; VET345 Veterinary Pharmacology; VET343 Veterinary Diagnostic Pathology; VET442 Animal Systems III; VET429 Professional Life III.

### Ancient Greek Ideas (PHL216)

Credit Points: 4

MURDOCH: S1-internal, S1-external

This unit examines the origin and development of philosophical ideas at the beginning of the Western tradition. Students will read and discuss major works by the Presocratics, Plato, Aristotle, the Stoics and Neoplatonists on such themes as the origin of the cosmos, the place of the gods, atoms and elements, souls and bodies, theory of knowledge, and theory of value.

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

This unit will be offered on alternate years.

### Ancient Greek Ideas (PHL316)

**As for PHL216 except:**

Credit Points: 3

Not available this year

**Animal Behaviour, Welfare and Veterinary Ethics (VET333)**

Credit Points: 3

Not available this year

Prerequisites: Nil.

**Animal Cellular Structure and Development (VET291)**

Credit Points: 3

Not available this year

This unit will provide students with the opportunity to develop skills and understanding in topics related to the cellular structure and development of vertebrates. Topics include genetics, embryology, histological structure of organ systems, molecular genetics and application of molecular techniques used in health sciences. Learning activities include a combination of lectures, workshops and laboratory classes.

Lectures: 3 hours per week; workshops: 3 hours per week.

Prerequisites: BIO152 Foundations of Cell and Molecular Biology; BMS107 Foundations of Vertebrate Form and Function.

**Animal Diversity (BIO244)**

Credit Points: 3

MURDOCH: S2-internal

This unit provides a broad coverage of the systematics and morphology of the major groups of invertebrates and vertebrates. Particular emphasis is placed on the major evolutionary trends within the animal kingdom and its main phyla. How recent fossil finds and the development of molecular techniques are increasing our knowledge of the history of animal life and at times challenging traditional hypotheses will be explored. Students are expected to develop practical skills, as well as acquiring a good theoretical background.

Lectures: 3 hours per week; laboratories: 4 hours every second week starting week 2.

Prerequisites: BIO103 Introduction to Environmental Biology or BIO180 Introduction to Marine Biology

Exclusions: Students who have successfully completed BIO261 Animal Diversity may not enrol in this unit for credit.

**Animal Industry Experience (ANS337)****As for ANS357 except:**

Credit Points: 3

Not available this year

Five weeks of practical farm experience plus one week Student Industry Tour plus contact time with the Unit Coordinator as required OR eight weeks of practical farm experience plus contact time with the Unit Coordinator as required.

Exclusions: Students who have successfully completed ANS357 Animal Industry Experience may not enrol in this unit for credit.

**Animal Industry Experience (ANS357)**

MURDOCH: S2-internal

Two components cover the practical farm experience that Bachelor of Animal Science students are expected to complete. Component one: comprises a minimum of five weeks on farms that deal with the major domestic species covered in the course. Students must complete a written report for each farm visit before being eligible to pass the unit. Component two: comprises either a one-week Student Industry Tour or another three weeks of farm placements. Activity logs must be completed for each component.

Five weeks of practical farm experience plus one week Student Industry Tour plus contact time with the Unit Coordinator as required OR eight weeks of practical farm experience plus contact time with the Unit Coordinator as required.

Prerequisites: Enrolment in Bachelor of Animal Science; ANS101 Animal Production Systems 1.

Student Industry Tour will require an extra-curricular fee from each student of \$200.00.

**Animal Microbiology (ANS351)**

Credit Points: 4

MURDOCH: S2-internal

The unit will provide basic knowledge and practical skills in microbiology relating to infectious diseases, with an emphasis on production animals. A generalist and integrated approach to pathogenic microbiology is adopted, but includes separate sections on bacteria and viruses. Sections comprise an introduction to features of pathogenic micro-organisms including structure, metabolism, genetic composition, culture and identification. Emphasis is given to the mechanisms causing disease in production animals and to principles of diagnosis and control.

Lectures: 3 hours per week; practicals/workshops: 3 hours per week.

Prerequisites: Enrolment in Bachelor of Animal Science; ANS251 Agricultural Biochemistry and BIO252/BIO243 Immunology, Vaccines and Cell Culture.

**Animal Nutrition and Toxicology (ANS354)**

Credit Points: 4

MURDOCH: S1-internal

This unit will provide students with an opportunity to learn about the fundamentals of nutrients, feeds, nutritional biochemistry of vitamins and minerals, interactions between nutrients and feed components, ration formulation, practical feeding strategies for livestock and companion animals, nutrition-responsive diseases and an introduction to toxicology of animals. Several components of this unit will be presented as workshops.

Lectures: 4 hours per week; workshops/seminars: 2 hours per week.

Prerequisites: Enrolment in Bachelor of Animal Science; ANS251 Agricultural Biochemistry OR VET241 Veterinary Biochemistry and ANS253 Physiology and Anatomy of Farm Animals.

Exclusions: VET346 Veterinary Nutrition and Animal Toxicology

**Animal Parasitology (ANS356)**

Credit Points: 4

MURDOCH: S2-internal

This unit in applied parasitology introduces the concept of parasitism and the diversity of parasitic organisms. The life cycles and transmission patterns of the major parasites of production animals in Australia are described. The interaction between hosts and parasites leading to the disease is covered in detail. Special

attention is given to the practical treatment of parasitic disease and the development of integrated approaches to parasite control in farming systems.

Lectures: 4 hour per week; practicals/tutorials/workshops: 3 hours per week.

Prerequisites: Enrolment in Bachelor of Animal Science; ANS251 Agricultural Biochemistry and ANS350 Pathology of Production Animals.

### **Animal Production Systems II (ANS230)**

Credit Points: 3

MURDOCH: S1-internal

This unit will develop knowledge of the theory and practice of animal production systems. Animal production from pasture systems will be emphasised, and the associated role of soils. Modules covered in this unit are soil fertility, pastures and fertilisers, beef, pork and poultry production systems. The information delivered in this unit provides a robust, practical and systems-based understanding of the livestock industries. Practical classes will utilise the Murdoch Farm, other properties and industry organisations to develop industry recognised skills.

Lectures: 3 per week; practical classes: 1 per week

Field trips to stud cattle properties, the Murdoch farm, fertiliser processing plants, saleyards and other industry visits.

Prerequisites: ANS101 Introduction to Livestock Science

Exclusions: Students who have successfully completed ANS250 Animal Production Systems II may not enrol in this unit for credit.

### **Animal Production Systems III (ANS333)**

*As for ANS353 except:*

Credit Points: 3

Not available this year

Prerequisites: Enrolment in Animal Science major; ANS101 Animal Production Systems I/Introduction to Livestock Science

Exclusions: Students who have successfully completed ANS353 Animal Production Systems III may not enrol in this unit for credit.

### **Animal Production Systems III (ANS353)**

Credit Points: 4

MURDOCH: S1-internal

This unit develops knowledge of the theory and practice of sheep meat, wool and dairy production systems. Practical classes will develop industry-recognised skills in animal management and include field trips. A large part of the unit is built around an assignment on feedlotting lambs. The students will be involved in all aspects of the feedlot to develop practical knowledge and skills in animal handling, health, welfare and production. A module in science and its communication will be taught.

Lectures: 4 hours per week; practicals: 3 hours per week plus assistance with feedlot over a 6-week period.

Prerequisites: Enrolment in Bachelor of Animal Science; ANS101 Animal Production Systems I, ANS250/ANS230 Animal Production Systems II.

### **Animal Production Systems IV (ANS358)**

Credit Points: 4

MURDOCH: Y-internal

This unit focuses on increasing students knowledge and expertise in various areas of specialisation in animal production systems, including extension and adoption of new farming practices, data management and analysis, farm economics and budgeting. It enables students to develop more rational arguments on topics of immediate relevance to all livestock industries and helps prepare students for their chosen career paths. Emphasis will be placed on small group work and students are expected to prepare and present oral and written work.

Tutorials: 1 hour per week.

Prerequisites: Enrolment in Bachelor of Animal Science; ANS101 Animal Production Systems I and ANS250/ANS230 Animal Production Systems II and ANS353/ANS333 Animal Production Systems III.

### **Animal Science Research (ANS450)**

Credit Points: 16

MURDOCH: Y-internal

Undertake an independent piece of research guided by your supervisor(s). Write a research thesis and literature review, participate in an introductory seminar, a final seminar and an oral thesis defence. Attend lectures and workshops on experimental design and research statistics, research presentation skills and how to write a literature review. Projects are supervised by a Murdoch University supervisor. A detailed proposal must be developed by the student and approved by the program committee prior to commencement of the project.

Project time as appropriate for completion of the project; in addition, students will attend about 6 lectures and workshops on experimental design and research statistics, research presentation skills and how to write a literature review at the beginning of the academic year (timetable to be advised by unit coordinator).

Some students will need to engage with funding bodies, research ethics committees, outside research institutes, industry bodies or primary producers in the conduct of their research project.

Prerequisites: Enrolment in Bachelor of Animal Science; ANS353 Animal Production Systems III OR ANS333 Animal Production Systems III.

Entry by invitation only.

### **Animal Structure and Function (ANS221)**

Credit Points: 3

MURDOCH: S2-internal

This unit integrates the anatomy and physiology of farm animals, in particular cattle, sheep, pigs and horses. It covers the major organ systems; emphasising the functional anatomy and physiology of the musculoskeletal, digestive, and reproductive systems. The nervous and endocrine control of body functions will be examined. Practical exercises will utilise prepared anatomical specimens and fresh material to complement dissections of areas of interest in domestic stock.

Lectures: 3 hours per week; practicals/workshops: 3 hours per week.

Prerequisites: Enrolment in Animal Science major or Animal Health major; BMS107 Foundations of Vertebrate Form and Function and BIO152 Foundations of Cell Biology and Molecular Biology.

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**Animal Systems I (VET242)**

Credit Points: 3

Not available this year

This unit provides an introduction to the theory and practice of animal production systems. Animal production will be explored through an introduction to soils and soil structure, plant and pasture science and a broad coverage of livestock farming systems. Practical classes will utilise the university farm to enhance the understanding of each topic studied, including practical skills in the safe handling of sheep, cattle, horses and pigs using low-stress handling methods where possible.

Lectures: 3 hours per week; practicals: 3 hours per week.

Prerequisites: Enrolment in Veterinary Biology, Bachelor of Science - Veterinary Entry, or Animal Science.

Exclusions: ANS101 Animal Production Systems I.

This unit is subject to quota. Quota is required to meet AEC permit regulations. Preference will be given to students in B1058 and B1270.

**Animal Systems II (VET342)**

Credit Points: 3

MURDOCH: S1-internal

This unit covers the basic concepts of animal behaviour, animal welfare and animal handling for production, aquatic and companion animals. Students gain a good understanding of human-animal interactions and the ethical challenges of animal domestication. Practical exercises introduce students to physical examination of domestic animals, case studies in animal behaviour and ethical dilemmas in veterinary practice. The ability to apply such knowledge and skills provides the foundation for students to build on as they progress into the clinical years.

Lectures: 3 x 1 hour per week; practicals and tutorials: 1 x 3 hours per week.

Prerequisites: Enrolment in Veterinary Biology; VET242 Animal Systems I

**Animal Systems III (VET442)**

Credit Points: 3

MURDOCH: S1-internal

This unit covers the principles of veterinary epidemiology, biosecurity, veterinary public health, and meat science, in relation to wild and domesticated animals in society. Practical classes will introduce students to clinical veterinary procedures and skills in consultation, diagnosis, and problem-solving, along with the practical concepts of veterinary public health (including abattoir procedures and meat production).

Lectures: 3 x 1 hour per week; practicals: 1 x 3 hours per week.

Prerequisites: Enrolment in Veterinary Biology; MAS183 Statistical Data Analysis and Databases or MAS184 Biostatistics and Information Retrieval; VET342 Animals Systems II.

**Animation (GAD241)**

Credit Points: 3

MURDOCH: S1-internal

This unit provides students with a solid basis in the theory and practice of 3D animation. It covers the historical, theoretical and practical aspects of animation with an aim of arming students with all the knowledge and skills needed to start creating thoughtful and engaging 3D animated works.

Online lectures; media laboratories: 3 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed MCC241 Animation may not enrol in this unit.

**Anthropology and Its Others (AST612)**

Credit Points: 3

Not available this year

This unit is a history of ideas in anthropology and its contribution to the understanding of social and cultural difference. Anthropology's 'Others' include both the other cultures that are the subject of its studies and the other disciplines with which anthropological ideas are engaged. Major debates in social, cultural and evolutionary anthropology, and the contributions of cultural-ecology, political economy, symbolic, structural and post-modern approaches to cultural analysis are surveyed. Ethnographic and documentary films are an important component.

Workshops: 1 x 3 hours per week; online lectures and discussion forum.

Prerequisites: Enrolment in a graduate-level (AQF level 8 or AQF level 9) course.

If not enrolled in a graduate-level (AQF level 8 or AQF level 9) course, then permission of the Unit Coordinator is required.

**Anthropology, Society and Culture (AST212)**

Credit Points: 4

MURDOCH: S1-internal, S1-external

Understanding cultural difference is at the heart of anthropology's project, and has significance for the other humanities and social sciences as well. Anthropology's 'Others' include both the other cultures which are the subject of its studies and the other disciplines with which anthropological ideas are engaged. Major debates in social and cultural anthropology and the contributions of cultural-ecology, Marxist, symbolic, structural and post-modern approaches to cultural analysis are considered. Ethnographic films are an important component of the unit.

Lectures: 2 hours per week; films: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

**Anthropology, Society and Culture (AST312)****As for AST212 except:**

Credit Points: 3

Not available this year

**Apologetics (THE614)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit introduces students to Christian responses to secular modernity and modern atheism. It will explore the origins and nature of secular society and atheism as well as Christian responses to it. Students are encouraged to engage critical with their own tradition and with the secular environment.

Seminars: 2 hours per week

Prerequisites: THE505 Thinking Theology; THE510 Emerging Christian Theology - The Creeds (100-500CE); THE507 Introduction to the New Testament; THE506 Introduction to the Old Testament.



**Applications of Nanotechnology (PEN261)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit examines the fundamentals of matter at the nanoscale and the effects of these nanomaterials on their overall properties and performance. The unit covers the field of nanocharacterisation techniques and the most prominent nanotools such as atomic force microscopy and scanning tunnelling microscopy that underpins the nanotechnology revolution and drive. The major synthesis methods to create a range of nanoparticles are also covered in this unit.

Lectures: 3 x 2 hours per week; tutorials/workshops: 1 x 2 hours per week.

Prerequisites: PEN152/PEC152 Principles of Physics and MAS161 Calculus and Matrix Algebra.

**Applied and Professional Ethics (PHL210)**

Credit Points: 3

Not available this year

This unit introduces students to philosophical ethics and ethical reasoning by focusing on pressing moral problems in the public, professional and global spheres. Topics covered include: war, terrorism and torture; immigration; legal punishment; prostitution and pornography; whistleblowing and corruption. The unit focuses on the development of practical skills in ethical judgement, in a world where values are contested and changing.

Lectures: 1 hour per week; tutorials: 1.5 hours per week

Prerequisites: Nil.

**Applied Animal Agriculture (ANS359)**

Credit Points: 4

MURDOCH: S1-internal, S2-internal, Y-internal

This unit enables students to increase their knowledge and expertise in various specialisations in applied animal agriculture. This unit helps prepare students for their chosen career paths by bringing them up to date with current scientific knowledge and issues, with respect to applied animal agriculture, and enables development of rational arguments on current industry topics. Teaching will be in the form of student-centred learning modules. Details about modules can be obtained from the Unit Coordinator prior to enrolment.

No scheduled attendance required, however, on-campus and/or electronic meetings may be arranged.

Prerequisites: Enrolment in the Bachelor of Animal Science or permission of the Academic Chair.

**Applied Animal Agriculture (ANS363)****As for ANS359 except:**

Credit Points: 3

Not available this year

No scheduled attendance required, however, on-campus assessments and/or electronic meetings can be arranged.

Prerequisites: Enrolment in the Bachelor of Science (Animal Science or Animal Health major) or permission of the Academic Chair.

Exclusions: Students who have successfully completed ANS359 Applied Animal Agriculture may not enrol in this unit for credit.

**Applied Animal Breeding (ANS3591)**

Credit Points: 4

MURDOCH: S1-internal, S2-internal, Y-internal

This unit enables students to increase their knowledge and expertise in various specialisations in applied animal agriculture. This unit helps prepare students for their chosen career paths by bringing them up to date with current scientific knowledge and issues, with respect to applied animal breeding, and enables development of rational arguments on current industry topics. Teaching will be in the form of student-centred learning modules. Details about modules can be obtained from the Unit Coordinator prior to enrolment.

No scheduled attendance required, however, on-campus and/or electronic meetings may be arranged.

Prerequisites: Enrolment in the Bachelor of Animal Science or permission of the Academic Chair.

**Applied Animal Breeding (ANS364)****As for ANS3591 except:**

Credit Points: 3

Not available this year

No scheduled attendance required, however, on-campus assessments and/or electronic meetings can be arranged.

Prerequisites: Enrolment in the Bachelor of Science (Animal Science or Animal Health major) or permission of the Academic Chair.

Exclusions: Students who have successfully completed ANS3591 Applied Animal Breeding may not enrol in this unit for credit.

**Applied Entrepreneurship and Innovation (BUS331)**

Credit Points: 4

MURDOCH: S2-internal, S2-external

This unit provides practical experience in applying the concepts and principles of Entrepreneurship, new venture creation, New Product Development and innovation. Learning activities include innovation workshops, ongoing workplace activities or the start-up and operations of a social or business project.

Seminars: 1 x 3 hours per week.

Prerequisites: BUS215 Business Feasibility and Management Concepts or BUS274 Entrepreneurship.

**Applied Health Research Methods: From Research to Practice (SHP632)**

Credit Points: 3

MURDOCH: S1-external, S2-external

This unit examines the qualitative and quantitative health research methods available to the researcher seeking to answer health-related questions and recommend changes to improve/support practice. Students will critique research examples in order to evaluate the various methodological approaches and their relative strengths and limitations. Focus will be on the efficacy of evidence-based research for health care and the forces that facilitate or limit its application. Students will develop a research proposal to answer a defined research question.

External: No attendance required.

Prerequisites: Enrolment in a Graduate course.

Exclusions: Students who have successfully completed NUR632 Applied Health Research Methods: From Research to Practice may not enrol in this unit for credit. Students who have completed an equivalent research methods unit must contact the Academic Chair

for a replacement unit.

### Applied Health Services Project (SHP603)

Credit Points: 6

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Students will undertake a project in the area of either health management, quality, risk, clinical or corporate governance. This may be either conducted in a health industry placement under the supervision of the lecturer and nominated preceptor or undertaken as a research project in a relevant coursework area that the student has selected. Project findings will be reported in either a journal article format or industry report and be presented to either peers and/or members of the host organisation.

The health industry placement students will negotiate a placement in consultation with the lecturer. The placement will be conducted over an equivalent of one day per week for the 14 weeks of the semester.

Prerequisites: SHP632 Applied Health Research Methods: From Research to Practice or equivalent research methodology unit. Enrolment in the Master of Health Management, Quality and Leadership, Master of Health Care Management or by permission of the Academic Chair.

Exclusions: Students who have successfully completed NUR640 Health Services Project or NUR648 Internship may not enrol in this unit for credit.

### Applied Information Security Management (ICT502)

Credit Points: 3

MURDOCH: S2-internal, S2-external

Information security managers design, build and manage enterprise information security. This unit focuses on enabling students to use the tools of threat and vulnerability assessment, security policy and procedure, and strategic decision making for information security management. Students work in teams within a realistic enterprise environment to develop enterprise security policy to deal with challenges to Information Security.

Workshops: 1 x 3 hours per week.

Prerequisites: Enrolment in a graduate IT course or permission of the Academic Chair.

Exclusions: Students who have completed ICT557 Information Security Management may not enrol in this unit for credit.

### Applied Mathematics (MAS182)

Credit Points: 3

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

This unit provides an introduction to differential and integral calculus, and basic ordinary differential equations. The concepts and techniques will be motivated and illustrated using mathematical models in the physical and biological sciences, commerce, economics and the social sciences. Other topics include complex numbers and their applications.

Lectures: 3 x 1 hour per week; tutorials: 1 x 1 hour per week.

Prerequisites: MAS164 Fundamentals of Mathematics or at least a pass in the Year 11 course Introduction to Calculus together with a final scaled score of 55% or more in TEE Applicable Mathematics OR a final scaled score of 55% or higher in WACE Mathematics (3C/3D).

Exclusions: Students who have successfully completed a calculus unit of the level of MAS161 Calculus and Matrix Algebra or higher may not enrol in this unit for credit. Students may not enrol in this

unit and either MAS161 Calculus and Matrix Algebra or MAS164 Fundamentals of Mathematics concurrently.

### Applied Nutrition (CHI233)

Credit Points: 2

MURDOCH: S2-internal

The principles of nutrition science relevant to healthcare practitioners and health educators. Students will gain further understanding of the nutrition issues related to individuals and life stages including infants, children, adults, older persons and pregnant and lactating women. Other topics include diet and health, nutritional supplementation and nutrition for the prevention of the common pathological conditions such as obesity, diabetes and heart disease. Upon completion, students will be able to apply the principles of nutrition in their professional practice.

Lectures: 2 hours per week; tutorials/workshops: 1 hour per week.

Prerequisites: Completion of Part I studies; CHI213 Nutrition or CHI281 Introduction to Biochemistry and Nutrition.

### Applied Nutrition and Pharmacology (CHI459)

Credit Points: 3

Not available this year

### Applied Photovoltaics (ENG337)

Credit Points: 3

Not available this year

### Applied Psychology Dissertation (PSY690)

Credit Points: 10

MURDOCH: S1-internal, S2-internal, Y-internal

A substantial research investigation into some aspect of psychology reported as a relevant review of literature and a 'journal article'.

Dissertation: approximately 9 hours per week for 37 weeks.

Prerequisites: Enrolment in MAppPsych (Clinical or Organisational); completion of, or concurrent enrolment in, PSY655 Psychology: Advanced Thesis Research Methods.

Enrolment should be continuous and last no longer than two years. If the Academic Chair determines inadequate progress, a warning may be sent. Where a dissertation is not completed within the period, the student may be required to complete by a given date (or be excluded) or, where a written warning has previously been issued, be excluded from the course.

### Applied Psychology for Nursing Practice (NUR258)

Credit Points: 3

PEEL: S2N-internal

This unit will explore some of the key facets of health psychology theory and research applied to the practice of health care workers and nursing in particular. It will focus on a range of topic areas such as: health psychology across the lifespan, illness, stress and coping, dealing with loss, pain and placebos, adherence with treatment and advice, preventive health behaviour, healthy lifestyle, behaviour change, health screening.

Lectures: 1 hour per week; tutorials: 2 hours per week.

Prerequisites: Completion of all Part I core BNursing units.

Exclusions: Students who have successfully completed NUR127 Introduction Mental Health and NUR128 Introduction to Mental Health - Clinical Placement may not enrol in this unit for credit.

**Applied Research Skills in ICT (BSC301)**

Credit Points: 3

Not available this year

This unit provides students with further experience in the approaches used in the practice of research in information and communications technology. Students undertake group research projects on areas related to their major and also gain project management experience in ensuring that the project is successfully completed. The unit is intended to deepen students' understanding of fundamental conceptual, methodological and implementation issues in ICT research. Presentation and communication of scientific results are also emphasised.

Lectures: 1 hour per week.

Supervisor Meeting: 1 hour per week.

Prerequisites: BSC203 Introduction to ICT Research Methods

**Applied Statistics (MAS223)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit considers select topics from experimental design and survey methods, descriptive statistics, hypothesis testing and modelling for continuous and categorical variables. Throughout, advanced statistical software will play an important role in data visualisation and analysis. Students will consider topics through the presentation of real research problems from a number of disciplines, gaining valuable experience in the application of statistics in a variety of contexts.

Lectures: 1 x 2 hours per week; tutorials: 1 x 2 hours per week

Prerequisites: MAS183 Statistical Data Analysis

**Applied Veterinary Pharmacology (VET379)**

Credit Points: 3

Not available this year

Prerequisites: Nil.

**Approaches to History (HIS200)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit will extend and apply learning gained through the completion of the first-year History units. Although the geographical and thematic focus of the unit may vary from year to year, students will consider:

- \* Different conceptual approaches to interpreting the past
- \* How the past contributes to shaping the present
- \* Interpretation of primary and secondary sources
- \* Methodological and ethical conventions of historians.

Lectures: 1 hour per week; tutorials: 1 hour per week.

Prerequisites: HIS181 Introduction to History and HIS182 Turning Points in History (or HIS182 Making of the Modern World).

Exclusions: Students who have successfully completed HIS285 Approaches to History cannot enrol for credit in this unit.

**Approaches to History (HIS285)**

Credit Points: 4

Not available this year

Students are introduced to a more effective use of sociological, anthropological and philosophical concepts used by historians in studying the past. In discussing various approaches and

methodologies, examples will be drawn from historical studies of Anglo-American, European and non-western societies. The unit, emphasising the variety of history, will deal with the following areas: anthropology and history; sociology and history; quantification and history; social history; psychology and history; history and social practice.

Lectures: 2 hours per week; tutorials: 2 hours per week.

Prerequisites: Nil. Recommended: S181/HIS181 Introduction to History or S182/HIS182 Turning Points in History.

**Approaches to the Study of Religion (REL202)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit will explore the wide variety of approaches to the study of religion. Specific symbols, rituals, and scriptures from a variety of world religions will be examined to demonstrate the usefulness of different theoretical approaches. These approaches will include: sociology, anthropology, psychology, historical inquiry, and phenomenology.

Lectures: 1 hour per week; tutorials: 1 hour per week.

Prerequisites: Nil.

**Asian Centuries (AST102)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit is an introduction to the complex and multiple cultures of the Asian region, focusing on 'traditional' patterns and on the way these are constantly reinvented in new historical and political contexts. It examines cultural histories of Asia up to the early 1950s, exploring major turning points and highlighting such aspects as ethnicity, religion, language, art, gender, economics, and politics.

Lectures: 1.5 hours; tutorials: 1 hour.

Prerequisites: Nil.

Exclusions: Students who have successfully completed AST102 Introduction to Asian Cultures cannot enrol for credit in this unit.

**Asian Studies Dissertation (AST634)**

Credit Points: 12

MURDOCH: H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

An original substantive investigation of a relevant Asian Studies topic under the supervision of a member of academic staff. Admission to the Dissertation option requires a) a Distinction+ average in MA coursework; b) advance approval of a dissertation proposal by the Academic Chair. Students should enrol in the Asian Studies Project in the initial instance and may transfer to the Asian Studies Dissertation after approval has been obtained.

Prerequisites: Permission of the Academic Chair.

Students cannot self-enrol in this unit.

**Asian Studies Project (AST384)**

Credit Points: 3

Not available this year

An undergraduate project in Asian Studies requires an investigation of a relevant topic under the supervision of a member of academic staff.

By appointment with staff member/supervisor.

Prerequisites: Successful completion of a 200-level Asian Studies unit.

### Asian Studies Project (AST632)

Credit Points: 6

MURDOCH: H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

A Masters project in Asian Studies requires a substantive investigation of a relevant topic under the supervision of a member of the academic staff. The project will normally have 4000 words in the 3-point option, or 8,000 words in the 6-point option, completed in accordance with University requirements.

By appointment with staff member.

Prerequisites: Enrolment in MA in Asian Studies.

### Assessment and Action Research (BED200)

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit helps prospective teachers become assessment literate, reflective practitioners and researchers. It includes studying a broad range of assessment techniques; judging the quality of various assessments; using assessment to support and improve learning and teaching; constructing assessments that are aligned with curriculum and appropriate for the learners present; and appropriately using the results of large scale, standardised assessments. The principles and methods of 'action research,' the iterative processes by which educators study and improve their praxis, underpin this unit.

Lectures: 1 x 1 hour per week; tutorials/workshops: 1 x 2 hour per week.

Prerequisites: Successful completion of EDN111 Language for Learning and Teaching AND EDN112/EDN1121 Understanding Teachers' Work OR EDU101/1011 Introduction to Teaching. Corequisite (for all students): Internet access.

Exclusions: Students who have successfully completed E241/EDU241 Processes of Learning or E244 Educational Assessment and Evaluation or E244/EDU244 Processes of Assessment or EDU242 Learning and Assessment: Theory and Practice or EDN222 Learning, Teaching and Assessment or EDU245 Learning and Assessment Processes may not enrol in this unit for credit.

### Atmospheric Science (ENV242)

Credit Points: 3

MURDOCH: S1-internal, S1-external

A general unit designed to introduce the scientific study of the atmosphere and its impact on human endeavours. This unit explores meteorological phenomena with particular relevance to the Australian region and introduces satellite remote sensing, climate modelling and biosphere/atmosphere interactions. Laboratory sessions as well as computer and online activities develop generic skills appropriate to environmental research.

Lectures: 3 hours per week; practical work: 3 hours per week for the first 8 weeks of semester.

External students should note that this unit has a compulsory week-long on-campus component run in the first non-teaching week of the Murdoch semester. Due to the nature of offering this unit, students are recommended to seek confirmation of the exact attendance dates from the Academic Chair closer to the commencement date of the teaching semester.

Prerequisites: Nil.

Exclusions: Students who have successfully completed ENV213

Atmospheric Science may not enrol in this unit for credit.

### Audiences, Users and Participants (CMS203)

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit provides practical knowledge about how media audiences, users and participants are analysed and understood. It begins with an historical approach to audience theory including media effects, audience reception traditions and the political and social shifts involved in the transformation of audiences as users and active participants. We explore different approaches to understanding how we experience the media, including broad social effects, individual responses and user generated content. Examples include mobile and citizen media, activism and culture jamming.

Lectures: 1 x 1 hour; tutorials: 1 x 1.5 hours

Prerequisites: CMS101 Introduction to Media Studies

Exclusions: Students who have successfully completed MCC236 Media Audiences and the Public cannot enrol in this unit.

### Auditing (BUS306)

Credit Points: 3

Not available this year

The objective of this unit is to develop a theoretical and legal background to the role and responsibilities of the auditor and the audit process. Topics: the scope and limitations of auditing; the legal background to audit responsibilities and duty of care; auditing standards; accepting and planning audit engagements; evaluating audit risk; internal control; audit evidence; audit procedures; and audit reports.

Prerequisites: BUS217 Technology and Accounting Processes.

Exclusions: Students who have successfully completed BUS312 Auditing, may not enrol in this unit for credit.

### Auditing (BUS312)

*As for BUS306 except:*

Credit Points: 4

MURDOCH: S2-internal, S2-external  
KAPLAN-SGP: TMA-internal  
SGP1: TMB-internal

Lectures/workshops/tutorials: 3 hours per week.

Prerequisites: BUS217 Technology and Accounting Processes.

Trimester offerings for this unit at Singapore (SGP1) are taught in intensive mode.

### Auditing (MBS634)

Credit Points: 4

KAPLAN-SGP: TMA-internal

The objective of the unit is to develop a theoretical and legal background to the role and responsibilities of the auditor and the audit process. Topics include the scope and limitations of the audit; the legal background to audit responsibilities and duty of care; auditing standards; accepting and planning audit engagements; evaluating audit risk; internal control; audit evidence; audit procedures and audit reports.

Lectures/seminars/workshops: 3 hours per week.

Prerequisites: MBS513 Accounting for Managers.

**Auditing (MBS680)***As for MBS634 except:*

Credit Points: 3

MURDOCH: S1-internal

Prerequisites: MBS539 Accounting for Managers or MBS533 Accounting Processes.

Exclusions: Students who have successfully completed MBS634 Auditing may not enrol in this unit for credit.

**Australia and its Asian Context (HIS302)**

Credit Points: 3

Not available this year

Understanding Australia's present engagement with Asia demands awareness of longer term attitudes towards Asia. This unit fosters an understanding of distinctive features of Australian history in light of perceptions of Asia, for example cultural baggage carried by Australia's first white inhabitants, how this affected their understandings of non-European peoples, and Australia's history of 'dependent relations' on external protectors. It examines contemporary relations between this country and its region and contemplates the implications of 'Australia's Asian context' for national identity.

Lectures/workshops: 1 x 2 hours per week.

**Australian Administrative Law (LAW258)**

Credit Points: 4

MURDOCH: S1-internal

This unit reviews the current operation of administrative law in Australia at the Commonwealth and the State level. It will examine the role of courts, tribunals and other administrative review bodies in overseeing and controlling the exercise of administrative discretion and in maintaining the accountability of government. The process of statutory interpretation adopted by administrators and the courts in determining the limits of administrative power will be examined.

Seminars: 2 x 2 hours per week (48 hours per semester).

Prerequisites: Enrolment in the Bachelor of Common Law / Juris Doctor / Bachelor of LAW (pre 2014) or Law + Other Bachelor Degree (pre 2014) and LEG150/LAW150 Australian Legal System. Graduate entrant students who enrolled in a Bachelor of Laws commencing 2014 and onwards may enrol in LAW258 Australian Administrative Law with the approval of the Unit Coordinator.

**Australian Administrative Law (LLB358)***As for LAW258 except:*

Credit Points: 3

Not available this year

Prerequisites: LEG150/LAW150 Australian Legal System.

Exclusions: Students who have completed LAW258 Australian Administrative Law may not enrol in this unit for credit.

**Australian and Asian Transformations (BRD204)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

Drawing on perspectives from agriculture, economics, history, politics and sustainability this unit examines Australian and Asian Transformations. The unit considers the challenges facing Australia and explores the political, historical, economic, governance, cultural and ethical dimensions of Australia's place in the world in the Asian

Century. The unit will broaden students' understandings of 'Asia', expose them to the complexities and uncertainties of engagement in the region, and highlight the possibilities for Australia's place in this world.

Lectures: 1 x 1 hour per week; tutorials: 1 x 2 hours per week.

Prerequisites: 100-level Breadth Unit.

**Australian Church History (THE597)**

Credit Points: 4

Not available this year

This seminar traces the developments of Christianity in Australia through the major churches that emerged in Australian society. It will look at these developments in the context of Australian social history and political history. The study of primary documents will form a major part of this unit. Other areas investigated will include the missionary-Aboriginal encounter, the churches and education, and Christianity in Western Australia.

Prerequisites: Enrolment in BA (Theology) (B1113), BA (Theology) (Honours) (H1131) or BTheology (B1115).

**Australian Foreign and Security Policy (POL239)**

Credit Points: 4

MURDOCH: S1-internal, S1-external

This unit aims to produce critical understanding of the multiple influences on the formulation, implementation and transformation of Australian foreign policy, particularly since the Cold War ended. Its guiding questions are: What are the main factors shaping the content and objectives of Australian foreign policy? How can we understand the relationship between domestic and international politics in the contemporary world? What are the central issues facing decision-makers, and how have they responded? Who makes Australia's foreign policy and why?

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

**Australian Foreign and Security Policy (POL344)**

Credit Points: 3

Not available this year

This unit aims to produce critical understanding of the multiple influences on the formulation, implementation and transformation of Australian foreign policy, particularly since the Cold War ended. Its guiding questions are: What are the main factors shaping the content and objectives of Australian foreign policy? How can we understand the relationship between domestic and international politics in the contemporary world? What are the central issues facing decision-makers, and how have they responded? Who makes Australia's foreign policy and why?

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

Exclusions: Students who have completed POL239 Australian Foreign and Security Policy may not enrol in this unit for credit.

**Australian Indigenous Education (EDU621)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

Australian Indigenous Education is designed to provide education practitioners with the necessary background and conceptual knowledge, as well as the skills, to maximise learning outcomes for Indigenous students. Within this context the unit will also explore

the requirement of the Australian Curriculum to infuse key learning areas with Indigenous perspectives so that all students learn about Aboriginal and Torres Strait Islander histories and cultures.

Lectures/seminars: 3 hours per week.

Prerequisites: Enrolment in a graduate-level qualification or permission of the Unit Coordinator.

### **Australian Indigenous Politics: Historical Contexts and Contemporary Issues (AIS204)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit explores several contemporary issues in the realm of Indigenous affairs. It asks why it is that, after self-determination, land rights, reconciliation and other important movements of recent decades, an 'intervention' into Aboriginal disadvantage was considered necessary as recently as 2007. It attempts to answer this central question by exploring how competing versions of recent Australian history have fostered a division between left- and right-wing politics that continues to confound more subtle, progressive responses to Indigenous inequity.

Lectures: 1 hour per week; workshops: 2 hours per week.

Prerequisites: Completion of 24 points at Part I.

Exclusions: Students who have successfully completed AIS205 Australian Indigenous Politics: Historical Contexts and Contemporary Issues may not enrol in this unit for credit.

### **Australian Legal System (BJU100)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal

Explains the core elements of Australia's common law legal system and introduces students to the basic skills necessary to study and research in law. Topics include: reading and understanding case law and working with the doctrine of precedent; the nature, operation and interpretation of statutes; legal problem solving; alternative dispute resolution; legal practice and ethics; development of fundamental library research skills; and introduction to different forms of legal research and critical analysis of research.

Lectures: 1.5 hours per week; tutorials/workshops: 1.5 hours per week.

Prerequisites: Enrolment in a Bachelor of Laws.

Exclusions: Students who have successfully completed LAW150 Australian Legal System may not enrol in this unit for credit.

Students who have successfully completed LEG150 Australian Legal System (prior to 2012) may apply to the Academic Chair for exemption from BJU100.

### **Australian Literature and Film (EGL235)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit uses postcolonial approaches to trace the development of Australian literature from its colonial beginnings to the present day. A wide variety of texts will be introduced -- books, extracts from literary works or documents such as explorers' notebooks, settlers' letters and diaries. There will also be opportunities to study film versions of literary texts. The works selected will provide the basis for studying cultural change in Australia in terms of changing attitudes to Europe, Aboriginal history and national identity.

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed EGL284 Australian Literature and Film may not enrol in this unit for credit.

### **Australian Migration Law (LLM502)**

Credit Points: 3

MURDOCH: SP22-internal, UA1-internal

This unit covers the fundamentals of Australian Migration law. It is designed to equip participants with skills needed to communicate as a migration agent. Topics covered include an introduction to the Australian legal system with a focus on introducing the legislative and policy framework, the role of the courts, the context of migration regulation, researching legal materials; general concepts of migration procedure including visa application procedures and the role of migration agents and the profession.

Taught intensively over three weeks; refer to timetable or information on the School of Law website for details. Due to the nature of the offering of this unit, students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

Prerequisites: Enrolment in the Graduate Certificate in Australian Migration Law and Practice.

### **Australian Public Sector (SWM510)**

Credit Points: 3

Not available this year

The functions and practices of the Australian public sector have undergone significant change over recent decades. Examine these changes within the context of the Australian parliamentary system and its federal structures. Major issues considered include public sector restructuring, outsourcing, the politicisation of the policy process, and public-private interdependencies. Examine the practical implications of these trends for the theory of responsible government and the exercise of public authority, providing the critical tools to assess these new challenges.

Seminars and workshops are delivered in intensive teaching mode (24 hours contact time), which may include evenings and weekends. Students will then complete research assignments independently, in consultation with teaching staff.

Prerequisites: Enrolment in a graduate-level course.

### **Australian Visa System (LLM503)**

Credit Points: 3

MURDOCH: AU10-internal, SP1-internal

This unit examines the fundamentals of Australia's visa system including valid visa applications, decision making procedures, general requirements for visas. The unit will cover refusal or cancellation of visas; sanctions for breaches of visa conditions; the consequences of unlawful status; detention, removal and deportation; offences under the Migration Act; merits and judicial review and ministerial discretion. Students will learn to problem solve and appraise pathways and client options, determine strategies and formulate advice on various visa and review options.

Taught intensively over three weeks; refer to timetable or information on the School of Law website for details. Due to the nature of the offering of this unit, students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

Timetabled Activities: 28 hours intensively over the duration of the course. Readings/Self-Directed Study: 112 hours intensively over the duration of the course. Assessment: 18 hours over the duration of the course.

Prerequisites: Enrolment in the Graduate Certificate in Australian Migration Law and Practice; LLM502/LLB502 Australian Migration Law.

### **Australian Youth Culture (SOC203)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

On the one hand youth is often presented as a period of storm and stress or a time of crisis. On the other hand youth culture is often something many seek out, envy, and desire. This unit will acquaint students with Australian and international literature concerned with the study of youth. Students will be introduced to the history of youth, major theoretical traditions on youth culture and the various media, policy and professional responses to youth needs and interests.

Lectures/tutorials: 2.5 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed SOC230 Australian Youth Culture cannot enrol for credit in this unit.

### **Avian, Exotic Pet and Wildlife Practice (VET453)**

Credit Points: 2

MURDOCH: S1-internal

This unit covers basic principles of avian, exotic pet and native wildlife medicine. The course will cover appropriate methods of physical and chemical restraint; diagnosis and treatment of common diseases and injuries; and aspects of nutrition and husbandry associated with maintaining these types of animals in captivity.

Lectures: 24 hours; practicals: 6 hours.

Prerequisites: Enrolment in Applied Veterinary Medicine. Completion of VET459 Surgical Secrets, VET456 Anaesthesia, Emergency and Critical Care, VET462 Veterinary Diagnostic Imaging.

### **BA Honours Thesis in Psychology (PSY5078)**

Credit Points: 15

MURDOCH: H-internal, S1-internal, S2-internal, SUM-internal, W-internal, Y-internal

This unit provides students with the opportunity to carry out a piece of empirical research under supervision. Students are expected to negotiate a research topic in conjunction with a supervisor. The thesis reporting the empirical research represents 15 of the 24 points required for the Honours year.

Prerequisites: Enrolment in H1256 Psychology Honours (BA(Hons)), or H1251 Honours in Psychology (BA(Hons)), or H1195 Psychology Honours (BPsych(Hons)), or H1116 Honours in Psychology (BA(Hons)).

### **Babies and Toddlers Growing and Learning (EDN537)**

Credit Points: 3

MURDOCH: S1-external

This unit provides students with a socio-cultural perspective of children's growth and learning across the developmental domains. A range of key concepts and contemporary issues pertaining to early childhood pedagogy, principles and practices that support and enrich children's growth and learning birth - 3 years are investigated.

To complete Assignment 1 students will need to locate an early

childhood Long Day-Care Centre to undertake three case studies of three children (aged birth to three years). Details are provided in the Unit Information and Learning Guide which will be available online at the commencement of the semester.

Prerequisites: Enrolment in the Graduate Certificate in Early Childhood Care and Education (ECCE) or Graduate Certificate in Early Childhood Education (ECE) or Graduate Diploma in Early Childhood Education and Care (ECEC) or Graduate Diploma in Early Childhood Care and Education (ECCE) or Graduate Diploma in Education Studies or Master of Education (Coursework) (MEd).

Students must have two current mandatory checks on record in the Murdoch University School of Education Professional Experience Office prior to commencement of this placement: Department of Education National Police History Check and a WA Working with Children Check. Refer to the School of Education Professional Experience website for details:

<http://www.murdoch.edu.au/School-of-Education/Professional-Experience/Checks-and-clearances/>

Students must submit a Placement Form to the School of Education Professional Experience Office by the due date. A Placement Form activates the placement process and guarantees a school placement. Placement details will be available on SONIA (the School of Education placement database) at <https://myplacement.murdoch.edu.au/SoniaOnline>

### **Bachelor of Arts Research Skills Unit (BAR300)**

Credit Points: 3

Not available this year

In this unit you will be guided through the full research process: you will start with an evaluation of a question or problem of interest; you will then develop an appropriate research design to acquire relevant data; you will choose an appropriate method of analysis; and finally you will come to a reasoned conclusion about the original question or problem of interest. This unit will equip you with the basic skills to undertake independent research in your own degree.

### **Bachelor of Science Research Skills Unit (BSC300)**

Credit Points: 3

Not available this year

In this unit you will be guided through the full research process: you will start with an evaluation of a question or problem of interest; you will then develop an appropriate research design to acquire relevant data; you will choose an appropriate method of analysis; and finally you will come to a reasoned conclusion about the original question or problem of interest. This unit will equip you with the basic skills to undertake independent research in your own degree.

### **Biblical Hebrew I (REL207)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

An introduction to Biblical Hebrew, its vocabulary, grammar and syntax. Emphasis is placed on the reading of Hebrew, and the aim is to provide a basic understanding so that students can read with the aid of tools.

Lectures/tutorials: 2 x 2 hours per week.

Prerequisites: Nil.

**Biblical Hebrew II (REL208)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

Further development of skills in reading biblical texts, including aspects of textual criticism. Representative passages will be selected.

Lectures/seminars/tutorials: 4 hours per week (2 x 2 hour workshops).

Prerequisites: THE101 Biblical Hebrew I or REL207 Biblical Hebrew I.

Exclusions: Students who have successfully completed THE201 Biblical Hebrew II cannot enrol in this unit for credit.

**Big Ideas (KAC001)**

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

This unit is about introducing students to a range of thought-provoking and stimulating ideas that shape, or have shaped, the world in which we live. It is through the exploration of this content that students develop strategies and techniques to help them succeed at university studies.

Lectures: 1 hour per week; workshops: 3 hours per week.

Prerequisites: Enrolment in the K-Track course.

**Biochemistry I (BIO247)**

Credit Points: 3

MURDOCH: S2-internal

How do organisms generate energy? How do they make the building blocks for new cells? These questions are at the heart of biochemistry and will be explored in this unit across a wide range of organisms. The basic structure of cells and the mechanisms by which they function will be examined, followed by a detailed study of the key pathways of energy generation and biosynthesis. The laboratory and workshop components will also develop core skills in biochemical analysis.

Lectures: 3 hours per week, laboratories: 5 x 3 hours; workshops: 4 x 2 hours.

Prerequisites: BIO152 Foundations of Cell and Molecular Biology.

Exclusions: Students who have successfully completed BMS261 Human and Comparative Biochemistry or BIO270 Biochemistry I may not enrol in this unit for credit.

**Biochemistry II (BIO371)**

Credit Points: 4

MURDOCH: S2-internal

How do cells communicate? What effect does your diet have on your body? This unit advances your knowledge of biochemistry and shows you how biochemical regulation and signalling can function at the cellular level to effect change in the whole organism. These concepts will be applied to the following areas: regulation of enzyme activity and protein function; mechanism of action of hormones and growth factors; metabolic integration and tissue specialisation; cell proliferation and cancer; and fundamentals of pharmacology.

Lectures/workshops: 3 hours per week.

Prerequisites: BIO270/BIO247 Biochemistry I or BMS261 Human and Comparative Biochemistry or ANS251 Agricultural Biochemistry.

**Biodiversity (BIO257)**

Credit Points: 3

MURDOCH: S2-internal

Our planet is home to approximately 8.7 million species all of which are connected by the passage of genes along branches of the phylogenetic tree. This unit will focus on the major groups of Australian plants and animals and their phylogenetic relationships. In doing so you will also learn about the characteristics of our unique flora and fauna; how their form is adapted to habitat; their relative ecological importance; their cultural significance; and threats to their existence.

Lectures: 3 hours per week; practicals: 3 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed BIO157 Australian Biodiversity may not enrol in this unit for credit.

**BioEnergy and Resource Recovery (ENG342)**

Credit Points: 3

Not available this year

This unit introduces the student to the principles of mass and energy flow in natural and engineered ecosystems (e.g. aqueous environments, urban spaces, agriculture, industry). Sustainability and reasons for waste accumulation in both systems are contrasted. Circular flows (recycling) and steady-state equilibria are investigated as possible drivers of sustainable processes. Key environmental technologies that turn wastes to resources (e.g. waste to energy, bio-conversion, water recycling, nutrient recovery etc.) or limit pollution will be covered in detail and implementation options debated.

Prerequisites: CHE144 Foundations of Chemistry

**Bioethics and Law for Health Care Leadership (SHP510)**

Credit Points: 3

MURDOCH: S1-external, S2-external

This unit will prepare you to take a leadership role in the workplace that allows collaboration in ethical decision-making. The focus is on recognising actual and potential ethico-legal dilemmas in professional practice, and how decisions are made, justified and reviewed. A conceptual framework will be used to explore the decision making process while examining actual and perceived roles, professional values, and communication and collaboration practices when decisions with an ethical and/or legal dimension have to be made.

External: No attendance required

Prerequisites: Enrolment in a Graduate course.

Exclusions: Students who have successfully completed NUR610 Bioethics and Law for Health Care Leadership may not enrol in this unit for credit.

**Biomechanics I (EXS204)**

Credit Points: 3

MURDOCH: S2-internal

This unit teaches students principles of biomechanics and their application to human movement from both a theoretical and practical perspective. Examples are drawn from both the clinical and sporting realms.

Lectures: 3 hours; practicals: 1 hour

Prerequisites: CHI124/EXS124 Principles of Sports Science (or



CHI109 Chiropractic Skills and Principles I) AND CHI108 Functional Human Anatomy (or BMS108 Comparative Musculoskeletal Anatomy).

Exclusions: Students who have successfully completed EXS209/EXS2091 Biomechanics or CHI209/CHI2091 Biomechanics and Diagnostic Palpation Skills may not enrol in this unit for credit.

### **Biomechanics I (EXS209)**

Credit Points: 4

MURDOCH: S2-internal

This unit teaches students principles of biomechanics and their application to human movement from both a theoretical and practical perspective. Skills in motion palpation for analysis of the joints and soft tissues of the spine and extremities will also be developed.

Lectures: 4 hours per week; practicals: 3 hours per week.

Prerequisites: Enrolment in Chiropractic Science (B1274); CHI124/EXS124 Principles of Sports Science (or CHI109 Chiropractic Skills and Principles I) AND CHI108 Functional Human Anatomy (or BMS108 Comparative Musculoskeletal Anatomy).

Exclusions: Student who have successfully completed CHI209 Biomechanics or Biomechanics and Diagnostic Palpation Skills may not enrol in this unit for credit.

Students enrolled in B1286 Bachelor of Science in Exercise Physiology, B1279 Bachelor of Education (Secondary)/Bachelor of Sports Science or B1264 Bachelor of Sports Science should enrol in CHI2091 Biomechanics and Diagnostic Palpation Skills.

### **Biomechanics II (EXS304)**

Credit Points: 3

Not available this year

This unit will develop students understanding of biomechanics and its application within both sport and clinical settings. It will focus on neuromuscular biomechanics and advanced biomechanical assessment techniques.

Lectures: 2 hours; Practical: 2 hours

### **Biomedical Instrumentation (ENG371)**

Credit Points: 4

MURDOCH: S1-internal

This unit builds upon the prerequisites of DC/AC circuits and electronics, anatomy and physiology, control and dynamics to understand and develop a working knowledge of the principles and operations of the types of sensors and instrumentation associated with making biomedically oriented measurements used in diagnostic, intensive care and normal monitoring of patients.

No formal contact hours but by arrangements with the Unit Coordinator.

Prerequisites: ENG262 Principles of Electronic Instrumentation; ENG243 Circuits and Systems II; BMS264 Biomedical Physiology.

### **Biomedical Physiology (BMS206)**

Credit Points: 3

MURDOCH: S1-internal

This unit will cover the functioning of the individual organs and tissues of humans and other mammals, including nervous, muscular, cardiovascular, respiratory, renal and alimentary systems. The mechanism of action will be considered in terms of the cellular and tissue structure and the physical processes necessary to

maintain the healthy body. Control mechanisms will be outlined. Practical exercises will utilise computer simulations and human subjects.

Lectures: 3 x 1 hour per week; practicals: 1 x 4 hours per week or equivalent; clinics: 1 x 1 hour per week (optional).

Prerequisites: BMS107 Foundations of Vertebrate Form and Function

Exclusions: Students who have successfully completed BMS264 Biomedical Physiology may not enrol in this unit for credit.

### **Biomedical Signal Processing (ENG372)**

Credit Points: 4

MURDOCH: S1-internal

This unit builds upon the prerequisite electronics, mathematics, control and dynamics to provide a solid foundation in signal processing. Some of the areas covered will include Fourier analysis, digital signal processing and filtering. This unit will provide a solid mathematical background and places a strong emphasis on computer based analysis tools and hardware requirements.

No formal contact hours but by arrangements with Unit Coordinator.

Prerequisites: ENG243 Circuits and Systems II; ENG267 Control Systems and Process Dynamics; ENG109 Computing for Scientists and Engineers; MAS208 Mathematical Modelling.

### **Biomedical Systems Engineering (ENG373)**

Credit Points: 4

MURDOCH: S1-internal, S2-internal

Looks at a variety of human anatomical and physiological systems from an engineering perspective. In particular, the application of system analysis and modelling to develop, understand and have a working knowledge of mathematical and computer-based models which encapsulate the dynamic and steady state aspects of a variety of important biomedical systems. Includes musculoskeletal, cardiovascular, temperature regulatory, neural and sensory systems. Relies and builds heavily upon the prerequisites of biomedical instrumentation, biomedical signal processing, mathematical modelling, control and dynamics.

No formal contact time but by arrangements with the Unit Coordinator.

Prerequisites: ENG371 Biomedical Instrumentation; ENG372 Biomedical Signal Processing; MAS208 Mathematical Modelling; ENG267 Control Systems and Process Dynamics; BMS264 Biomedical Physiology.

### **Biosecurity Plant Pests - Invertebrates (University of Queensland) (OTH541)**

Credit Points: 3

Investigates invertebrate plant pests, their identification and classification, life-cycle and their host relationships from a biosecurity perspective. The unit concentrates on insects but also covers nematodes, snails and mites. Because of the complexity of invertebrate life-cycles, a biological understanding is essential for appropriate border inspection and post-border surveillance. Basic management approaches dealing with invertebrate plant pest incursions are discussed. This unit is offered by the University of Queensland. Please refer to the UQ Handbook: <http://www.uq.edu.au/study/>

Prerequisites: Enrolment in the Graduate Certificate in Plant Biosecurity, Graduate Diploma in Plant Biosecurity, or Master of Plant Biosecurity

### Biosecurity Plant Pests - Pathogens (La Trobe University BOT5BPP) (OTH542)

Credit Points: 3

Major plant pathogens of concern to biosecurity will be introduced. Classification and methods for diagnosing pathogens will be discussed in the context of: host symptoms; detection methods; pathogen life cycles. Environmental influences on the relationship between host and pathogen will be covered. Options and limitations for prevention, eradication and control of pathogen invasions are discussed. This unit is offered by La Trobe University. Please refer to the LTU Handbook:

<http://www.latrobe.edu.au/handbook/2015/index.htm>

The fully flexible workload, self-paced is approximately 10 hours per week on average over the semester. No specific timetabled activities, other than assessments due before end of semester.

Prerequisites: Enrolment in the Graduate Certificate in Plant Biosecurity, Graduate Diploma in Plant Biosecurity or Master of Plant Biosecurity

### Biosecurity Plant Pests - Weeds (University of Adelaide PLANT SC 7023EX) (OTH543)

Credit Points: 3

This unit is offered by the University of Adelaide. Please refer to the University of Adelaide Handbook:

<http://www.adelaide.edu.au/calendar/>

This unit will consider: Weed ecology, and the invasion biology of plant species. The biology, ecology of weeds, including 'sleepers' weeds'. Weed surveillance strategies. Weed identification. Weed eradication and containment. Successful and unsuccessful weed eradication programs. Weed management principles and weed control strategies in relation to eradication and containment of invasive weeds. The unit will be delivered in external mode.

This unit is delivered online.

Prerequisites: Enrolment in the Graduate Certificate in Plant Biosecurity, Graduate Diploma in Plant Biosecurity or Master of Plant Biosecurity

### Biosecurity Policy Framework Obligations (BIO539)

Credit Points: 3

MURDOCH: S2-external

All domestic and international trade is regulated and compliance to regulations forms the day-to-day activities of a plant biosecurity professional. For most countries the overarching regulatory framework is the International Plant Protection Convention (IPPC). This agreement impacts international trade and also domestic trade arrangements and quarantine. This unit provides an in-depth knowledge of the regulatory framework under which plant biosecurity professionals operate, and how that framework impacts all aspects of plant biosecurity, be it international or domestic.

This unit is delivered online.

Prerequisites: Enrolment in the Graduate Diploma in Plant Biosecurity, Master of Plant Biosecurity, Master of International Affairs or Master of Public Policy and Management. Students enrolled in G1047 Graduate Diploma in Plant Biosecurity or M1172 Master of Plant Biosecurity must have completed BIO538 Plant Biosecurity in Practice; students enrolled in M1196 Master of International Affairs or M1194 Master of Public Policy and Management must have completed BIO639 Biosecurity Threats and Invasions or have permission from the Academic Chair and Unit Coordinator, to enrol in this unit.

### Biosecurity Threats and Invasions (BIO639)

Credit Points: 3

MURDOCH: S1-internal, S1-external

Biological Security (biosecurity) refers to the protection of people, plants and animals from pests and diseases. It is a broad, multidisciplinary field encompassing science, law, economics, mathematics and sociology. In this unit you will be introduced to the International frameworks that drive global biosecurity and the Australian biosecurity system. Using real-life examples and case studies you will learn about preparedness, surveillance, diagnostics, emergency response and management of pests and diseases threatening to invade Australia.

Seminars and workshops are delivered in intensive teaching mode (24 hours contact time), which may include evenings and weekends. Students will then complete research assignments independently, in consultation with teaching staff.

Field trip to local biosecurity facilities.

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students enrolled in the Graduate Certificate/Graduate Diploma/Masters of Plant Biosecurity are not permitted to enrol in the unit BIO639 Biosecurity Threats and Invasions.

This unit will be taught in intensive mode. A minimum of 10 students is required for this unit to be run.

### Biostatistical Methods (MAS224)

Credit Points: 3

MURDOCH: S2-internal, S2-external

Biostatistics is concerned with the collection, summarisation, analysis and interpretation of data arising in the life and health sciences. This unit builds on introductory statistical work, emphasising practical methods relevant to biological and health applications. These include design and analysis of simple experiments and clinical trials, lifetable methods, assessment of risk factors, analysis of categorical data and a brief introduction to failure-time analyses. Practical aspects are enhanced via regular workshop analyses and a small project.

Lectures: 1 x 2 hours per week; workshops: 1 x 2 hours per week.

Prerequisites: MAS180 Introduction to Statistics or MAS183 Statistical Data Analysis or MAS184 Biostatistics and Information Retrieval.

### Bodies of Evidence (BIO315)

Credit Points: 3

Not available this year

This capstone unit applies information derived from the core units of the major to the investigation of crime. It focuses on the collection of evidence derived from the biological and chemical investigation of homicide. It discusses evidence derived from forensic pathology, forensic botany, forensic chemistry and bloodstain pattern analysis and emphasises the protocols associated with crime scene and death investigation. A complex murder case is investigated, expert testimony reports are generated and the evidence is presented in a Moot Court.

Lectures/workshops: 3 hours per week for 11 weeks; laboratories/tutorials 26 hours per semester; moot court: 6 hours. The forensic pathology component of this unit is taught, intensively, throughout the first non-teaching week in the semester (20 hours).

Prerequisites: PEC144/CHE144 Foundations of Chemistry; BMS202/BMS213 Forensic Anatomy and Anthropology; BIO131/BIO359 Forensic DNA Analysis

Exclusions: Students who have successfully completed BIO215 Bodies of Evidence may not enrol in this unit for credit.

### **BPsych Practical Placements (PSY444)**

Credit Points: 4

MURDOCH: S1-placement (quota of 30 places), S2-placement (quota of 30 places)

The purpose of this unit is to give students opportunities to gain skills and experience from a workplace in an applied setting. Supervision will be provided jointly by university staff and practitioners in, whenever possible, the field of choice. This unit is designed to comply with the University Workplace learning policy. Students must apply and selection is based on academic performance in Psychology units and other criteria.

5 days placement preparation (which includes 9 hours of required seminar participation) and 15 days on placement.

The individual learning experiences will vary based on the placement to which a student will be allocated. There will be practical components, a major project and diary requirements as the main learning tools.

Prerequisites: PSY311 Psychology: Advanced Quantitative Research Methods or PSY315 Psychology: Advanced Qualitative Research Methods or enrolment in Postgraduate Diploma in Psychology.

Students may require Police Clearance and Working with Children Certificates where appropriate. Students wishing to apply for the unit must submit an application from (available from <http://www.murdoch.edu.au/School-of-Psychology-and-Exercise-Science/Staff-and-Student-forms-and-resources/>) to the Unit Coordinator.

A result of Ungraded Pass or Fail is awarded for this unit.

This unit is subject to quota. Quota is due to limited resources for supervising students during practicum. Selection may be based on academic performance in core Psychology units, as well as other criteria and the number of placements available.

### **Brand and Identity Design (IDD202)**

Credit Points: 3

MURDOCH: S1-internal

This unit explores the construction of identity and brand in the context of specific markets and how this identity is then communicated through visual design strategies. Students will be introduced to contemporary branding, logo design, identity systems and how they are applied to a range of print and digital contexts.

Online lecture; media laboratories: 2.5 hours per week.

Prerequisites: IDD118 Introduction to Graphic Design

### **Britain and the Reformation Era (THE623)**

Credit Points: 3

Not available this year

The European Reformations of the sixteenth century were fundamental influences on the shaping of modern Western Christianity. This unit will examine ways in which the British denominations, both Protestant and Roman Catholic, arose or were reshaped by that period of their history. The unit will explore ways in which British Christianity was influenced by continental religious developments, as well as by political and cultural developments in the period.

Seminars: 2 hours per week

Prerequisites: THE509 Turning Points in Church History

### **BSc Honours Thesis in Psychology (PSY5099)**

Credit Points: 15

MURDOCH: H-internal, S1-internal, S2-internal, SUM-internal, W-internal, Y-internal

This unit provides students with the opportunity to carry out a piece of empirical research under supervision. Students are expected to negotiate a research topic in conjunction with a supervisor. The thesis reporting the empirical research represents 15 of the 24 points required for the Honours year.

Prerequisites: Enrolment in H1257 Psychology Honours (BSc(Hons)), or H1252 Honours in Psychology (BSc(Hons)), or H1195 Psychology Honours (BPsych(Hons)), or H1116 Honours in Psychology (BA(Hons)).

### **Building Blocks for Science Students (BSC100)**

Credit Points: 3

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Now more than ever we look to science to help overcome major challenges facing the world we live in. Approaching science requires an understanding of the scientific method and skills. This unit will facilitate your transition into university and give you the framework of skills you need for lifelong learning including: literacy, numeracy and information technology; the ability to collect, analyse and evaluate information; think clearly, critically and creatively; and discipline-specific skills in scholarly research, communication and ethical practice.

Lectures: 2 hours per week; tutorials: 2 hours per week.

Prerequisites: Enrolment in a Bachelor of Science, Bachelor of Animal Science, Bachelor of Environmental Management, Bachelor of Environmental Science, Bachelor of Extractive Metallurgy, Bachelor of Forensics, Bachelor of Information Technology Management, Bachelor of Marine Science, Bachelor of Sports Science, Bachelor of Technology in Engineering Technology, or Bachelor of Sustainability.

Exclusions: Students who have successfully completed a Foundation Unit (units beginning with FDN) may not enrol in this unit for credit.

### **Business Analysis and Systems Development Approaches (ICT501)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit aims to further develop the knowledge and skills that are critical to effective business analysis and design, building on knowledge from undergraduate systems analysis and design units. The unit emphasises business process modelling and the tools that can be used to analyse, model, and design business processes. Agile system development methodologies will be contrasted with more formal approaches and the unified process life cycle model examined. Software evaluation and selection, and global distributed development processes will be covered.

Workshops: 1 x 3 hours per week.

Prerequisites: Enrolment in a graduate IT course or permission of the Academic Chair.

Exclusions: Students who have completed ICT532 Advanced Business Analysis and Design may not enrol in this unit for credit.



**Business Analytics (ICT601)**

Credit Points: 3

MURDOCH: S2-internal

Business analytics is a broad term that encompasses a number of skills, technologies and approaches to the analysis of business data for the purpose of supporting management decision-making. This unit will explore business analytics using a number of case studies, real life datasets and publicly available analytics tools. Students will apply the theories addressed in the unit to case studies in order to develop the technical skills required to develop a deeper understanding of business analytics.

Workshops: 3 hours per week.

This unit will have weekly 3 hour workshops. The first two weeks of the semester will have more of a lecture style in setting the scene and laying the theoretical foundations for the rest of the unit. In each of the following 8 weeks, students will be provided with a problem-based case study that they will work through collaboratively in groups of 4-5. In these case studies, students will be presented with a dataset and a decision-making scenario relevant to that week's topic. At the conclusion of the session, the whole class will discuss the outcomes of the groupwork. The final two weeks will be taken up with students' presentations of their Analytics Tool Assessment report.

Prerequisites: Enrolment in a graduate-level Information Technology course. No specific unit prerequisites, but some familiarity with fundamentals of programming and database theory and practice would be helpful.

**Business Finance (MBS605)**

Credit Points: 4

DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

This unit examines the financial management issues of a business entity. The tools used by financial managers are introduced and applied in a variety of long and short term financing and asset management contexts. Topics include financial mathematics, capital budgeting, risk and return relationships, cost of capital and working capital management.

Lectures/seminars/workshops: 3 hours per week.

Prerequisites: Enrolment in a graduate-level course.

**Business Finance (MBS645)***As for MBS605 except:*

Credit Points: 3

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students who have completed MBS605 Business Finance may not enrol in this unit for credit.

**Business Intelligence Application Development (ICT394)**

Credit Points: 3

Not available this year

Business Intelligence (BI) has become a focus of organisations wishing to make more effective use of their data resource. This unit examines both the theoretical and practical aspects of BI, from discovery, inventory, extraction and transformation of data sources, through the common approaches to data analysis, to management reporting environments (MRE). The practical component of this unit will involve students creating a data warehouse and MRE, using a

range of BI tools used in industry.

Seminar: 2 hours per week; computer laboratories: 1 hour per week.

Prerequisites: ICT285/ICT218 Databases

**Business Intelligence Tools and Techniques (ICT208)**

Credit Points: 4

MURDOCH: S1-external  
DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal  
SGP1: TMB-internal, TSB-internal

Business Intelligence (BI) is a set of outcomes aimed at facilitating improved decision making through the analysis and presentation of organisational data to decision makers. This unit explores the tools and methods used in BI. Topics include: decision making, organisational data sources, data warehousing, data analysis, data and text mining, business performance management and BI presentation suites. Theories introduced are complemented by workshop sessions using various BI tools and techniques.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil. Some basic familiarity with spreadsheets and the Internet is assumed.

Exclusions: Students who have successfully completed ICT208 Commercial Computing may not enrol in this unit for credit.

**Business Law in a Global Context (BSL312)**

Credit Points: 3

Not available this year

Capstone unit for Business Law

**Business Negotiations in International Perspective (BUS341)***As for BUS346 except:*

Credit Points: 3

Not available this year

Workshops: 3 hours (combination of lectures and tutorials)

Prerequisites: Nil.

Exclusions: Students who have completed BUS346 may not enrol in this unit for credit

**Business of Freelancing (WEB303)**

Credit Points: 3

Not available this year

This unit focuses on the business and management of setting up and running a creative practice as a freelancer in an online environment. This will involve focusing on business fundamentals, taxation, contracts, estimating, budgets, grant writing and securing funding for freelancers.

Lectures: 1 hour online; laboratories: 3 hours.

Prerequisites: Nil.

### **Business Research: An Integrated Approach (BBS200)**

Credit Points: 3

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

This unit introduces students to the process of academic research and covers a broad range of contemporary research designs in business-related disciplines. The aim of the unit is to provide students with the opportunity to develop a critical understanding of the value of research in the business context in order to build business knowledge and theory that generates new questions as well as providing answers.

Lectures: 1 hour; workshops: 2 hours.

Prerequisites: BBS100 Academic Skills for Business

### **Business Research: Integrated and Mixed Methods (BBS301)**

Credit Points: 3

Not available this year

In this unit, students will gain knowledge and experience in the use of qualitative and quantitative methods; and develop an appreciation of strengths and weaknesses associated with multi-method research philosophies and applications within a theoretical context. The unit includes the development of a significant piece of research which has a scholarship focus but is practice-relevant. Students will be expected to undertake data analysis and present project outcomes in order to complete their research project.

Prerequisites: BBS200 Business Research: An Integrated Approach

### **Business, Society and the Environment (MBS530)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit addresses key issues about the relationship between business, society and the environment in order to foster a critical understanding of the role of firms in contemporary societies. It will pay special attention to the interplay of markets, politics, sustainability science and ethical reasoning in order to foster responsible management-and-governance approaches. This interdisciplinary unit aims to build conceptual bridges and synergies across the three key streams of the School of Management and Governance: business, politics/governance and sustainability.

Interactive mixed teaching sessions as per Unit Learning Experience - 2.5 hours per week for 10 weeks.

Prerequisites: Enrolment in a graduate-level course.

### **Business, Society and the Environment (MBS540)**

*As for MBS530 except:*

Credit Points: 4

KAPLAN-SGP: TSA-internal

Interactive mixed teaching sessions: 2.5 hours per week.

Prerequisites: Enrolment in an offshore graduate-level course.

### **Calculus and Matrix Algebra (MAS161)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

Calculus and matrix algebra form the basis of the mathematical knowledge required to model physical, environmental, biological and engineering systems and investigate their behaviour. This unit

assumes an understanding of the basic topics and develops them further. Vector and matrix operations, determinants, inverses and eigenvalues will be considered along with differentiation, integration, sequences and series, differential equations, and introductory multivariable calculus. Applications will be considered, with computer algebra packages used to reduce tedious calculations and present results.

Lectures: 3 x 1 hour per week; tutorials: 1 x 1 hour per week.

Prerequisites: MAS182 Applied Mathematics or a final scaled score of 55% or more in TEE Calculus or equivalent OR a final scaled score of 55% or higher in WACE Mathematics: Specialist (3C/3D).

Exclusions: Students may not enrol in this unit and either MAS164 Fundamentals of Mathematics or MAS182 Applied Mathematics concurrently.

### **Campaign Management (MCC307)**

Credit Points: 4

MURDOCH: S2-internal

DUBAI-ISC: TJD-internal, TSD-internal

KAPLAN-SGP: TJA-internal, TSA-internal

SGP1: TJB-internal, TSB-internal

This unit consolidates professional public relations skills through practical experience with a 'real life' organisation. Working in teams, students develop a public relations strategy or communication plan for a not-for-profit organisation over the course of the semester, culminating in a formal conference presentation to the organisation, students and mentors. Students learn about strategy development, client management, program research, planning, design and evaluation as well as budgeting and scheduling.

Lectures: 1 hour per week; tutorials: 1.5 hours per week; student conference (all day).

Prerequisites: MCC204 Public Relations: Contemporary Approaches.

Exclusions: Students who have successfully completed MSC307 Media Planning and Promotion may not enrol in this unit for credit.

### **Campaign Management (PRO307)**

*As for MCC307 except:*

Credit Points: 3

Not available this year

### **Carbon and Climate: A Wicked Problem (BRD203)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

Due to steadily increasing concentrations in the atmosphere from the burning of fossil fuels, carbon is currently attracting considerable public interest associated with topical human issues and impacts - real and perceived. This unit describes the nature of the problem, which needs to be tackled broadly because there are no simple solutions. Scientific / technical opportunities and limitations are explored together with their economic, legal and social implications, to develop a deeper understanding of the current political controversy.

Lectures: 1 hour per week; workshops: 1 x 2 hours per week.

Recommended readings.

Prerequisites: Nil.

**Cardiopulmonary Rehabilitation (EXS401)***As for EXS552 except:*

Credit Points: 3

Not available this year

Lectures: 2 hours, laboratories: 2 hours.

Prerequisites: Successful completion of the double major of Sport and Health Science and Movement Science.

Exclusions: Students who have previously passed CHI552/ EXS522 Cardiopulmonary Rehabilitation cannot enrol in this unit for credit.

**Cardiopulmonary Rehabilitation (EXS552)**

Credit Points: 2

MURDOCH: T1-internal

This unit will provide the student with an advanced understanding of cardiopulmonary assessment and cardiopulmonary rehabilitation techniques. The student will be provided advanced information concerning a cardiopulmonary disease and conditions that limit physical function. The learner will be provided with the necessary skills to devise a rehabilitation program for a range of individuals with cardiopulmonary disorders.

Lectures: 2 hours; laboratories/workshops: 2 hours.

Prerequisites: The successful completion of all BSc Exercise Physiology core units from years 1 to 3.

Exclusions: Student who have successfully completed CHI552 Cardiopulmonary Rehabilitation may not enrol in this unit for credit.

**Case Conceptualisation and Assessment in Counselling (CSL566)**

Credit Points: 3

MURDOCH: S1-internal

This unit prepares students for counselling practice by providing a framework for conceptualising and assessing common problems encountered in counselling practice and introducing approaches to assessing therapeutic progress and outcomes.

Lectures: 3 hours per week.

Prerequisites: Enrolment in the Postgraduate or Graduate Certificate of Counselling, Postgraduate or Graduate Diploma of Counselling or Master of Counselling. Completion of, or current enrolment in CSL582/PSY582/PSY531 Principles of Counselling 1 or by permission of the Counselling Academic Chair.

Exclusions: Students who have successfully completed PSY527/566 Counselling: Case Conceptualisation and Assessment may not enrol in this unit for credit.

**Case Reports (VET622)**

Credit Points: 3

MURDOCH: S1-external (quota of 20 places), S2-external (quota of 20 places)

This unit aims to develop professional writing skills. Two reports describing cases candidates have managed must be written to publication standard. One should demonstrate ability to diagnose and manage a medical or surgical case using a problem solving approach. The second requires a review of relevant literature and should demonstrate ability to integrate wider reading into patient management.

External.

Prerequisites: Enrolment in the Master of Veterinary Studies (MVS -

M1022), Master of Veterinary Clinical Studies (MVetClinStud - M1223), or Doctor of Veterinary Medical Science (DVetMedSc - D1061). VET622 Case Reports can only be taken by candidates who have passed or are currently enrolled in at least 12 points of Masters units.

This unit is subject to quota. Quota is due to limited resources. Students must be enrolled in the College of Veterinary Medicine's graduate courses.

**Case Studies in Forensic Biology (BIO388)**

Credit Points: 3

MURDOCH: W-internal

A major objective of this unit is to highlight the causes of investigator bias in forensic investigation. Students will be assigned criminal cases in which failure to assess the evidence, objectively, and the use of unsound forensic methodology or misinterpretation of forensic data, led to false or questionable convictions. Students will critically evaluate police procedures and the interpretation of the forensic evidence. Each student will generate a written appraisal of the assigned case and will deliver a powerpoint presentation.

Week 1: 6 hours (3 x 1 hour plus 2 x 1.5 hours).

Week 4: 8 hours over 2 days.

Prerequisites: CHE103 Introduction to Forensic Science

**Case Studies of Renewable Energy Systems (PEN620)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

A set of case studies is used to develop key knowledge on the principles of innovation, project management, demonstration and commercialisation of renewable energy systems. Students are taught skills in analysing case studies to extract lessons that can inform planning of future renewable energy projects. The unit also includes a review of the renewable energy industry, in terms of markets, funding sources and emerging applications. The unit provides the opportunity for students to learn from experienced professionals from the renewable energy industry.

Lectures/discussions: 1 x 3 hours per week.

Prerequisites: PEC592 Energy in Society.

**Case Study Research Project (EDN617)**

Credit Points: 3

Not available this year

This is the capstone research project of the Master of Teaching. In this unit students will apply their knowledge and understanding of principles of educational research and will engage in a small-scale empirical research project of their choice that is relevant to the school context where they undertake their final placement. The project can be framed as action-research or case-study research but is not limited to these formats.

Lectures/seminars: 6 x 2 hours over the semester.

Independent data collection and analysis activities relevant to research projects. Students will also be assigned a supervisor for their individual projects and will be entitled to 10 hours of supervision (involving email/phone/face-to-face communication and formative feedback on assessment activities).

Prerequisites: Enrolment in the Master of Teaching (Primary) and successful completion of all 500 level units, successful completion of EDN611 Professional Internship A: Differentiation within Diverse Contexts, EDN612 Understanding Diversity and Inclusion in Educational Settings, EDN613 The Integrated Curriculum in Primary

Schools (HASS/HPE/Arts), EDN614 Science in the Primary Schools Curriculum, and co-enrolment in EDN615 Professional Internship B: Research in Practice and EDN616 Introduction to Research for Teachers.

### **Cattle and Camelid Medicine, Production and Surgery (VET455)**

Credit Points: 3

MURDOCH: S2-internal

The unit covers the diagnosis, treatment, prevention and control of diseases of cattle and camelids. Particular emphasis is placed on the prevention of disease and correction of management and nutritional factors affecting production in cattle. The general principles involved in the investigation of cattle herd problems are emphasised.

Lectures: 48 hours; practicals: 12 hours.

Prerequisites: Enrolment in Applied Veterinary Medicine. Completion of VET459 Surgical Secrets, VET456 Anaesthesia, Emergency and Critical Care, VET462 Veterinary Diagnostic Imaging, VET461 General Small Animal Practice.

### **Celtic Law and Society (LAW236)**

Credit Points: 4

Not available this year

This unit will introduce students to the role of Gaelic law in early medieval Irish society (AD 650 to 900). The native Irish legal system was remarkably advanced in many of its details, and the vernacular materials for its study are greater than those for any other medieval European legal system.

Taught over the first 6 weeks of semester. Lectures: 2 x 2 hours per week for 6 weeks.

Prerequisites: Enrolment in the LLB or Juris Doctor (pre-2014).

### **Celtic Law and Society (LEG236)**

*As for LAW236 except:*

Credit Points: 4

Not available this year

Taught over the first 6 weeks of semester. Lectures: 2 x 2 hours per week for 6 weeks.

Prerequisites: Nil.

### **Celtic Law and Society (LLB396)**

*As for LAW236 except:*

Credit Points: 3

Not available this year

24 hours of lectures taught intensively in the first half of the semester.

Prerequisites: Enrolment in the LLB

Exclusions: students who have completed LAW236/LEG236 Celtic Law and Society may not enrol in this unit for credit.

### **Challenges in Food Security (BIO681)**

Credit Points: 3

MURDOCH: S2-internal

The global food security challenge is to feed the world in the face of climate change, population growth, uneven food distribution, nutritional security, volatile markets and degraded ecosystems. The

challenge includes a focus 'globesity': a public health and social issue that is directly related to food security. Using case studies, students will explore biosecurity and food policies underpinning food security and trade. Students will investigate the concept of sustainably producing, protecting and providing food, for present and future generations.

Seminars and workshops are delivered in intensive teaching mode (24 hours contact time), which may include evenings and weekends. Students will then complete research assignments independently, in consultation with teaching staff.

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students who have successfully completed BIO681 Biosecurity for Food Security may not enrol in this unit for credit.

### **Changing Economies of Asia (BUS272)**

Credit Points: 4

MURDOCH: S1-internal, S1-external  
KAPLAN-SGP: TMA-internal

This unit involves a comparative examination of the development and economic performance of selected Asian economies. The spectacular performance of some Asian economies has shifted the world balance of economic power and has major implications for all trading nations. Topics covered include growth theories, globalisation, government policy, export-led growth, multinational corporations, financial markets, corporate governance, labour markets, the environment and income distribution.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil.

### **Chaplaincy in Theory and Practice (THE513)**

Credit Points: 3

MURDOCH: S2-external

This unit introduces the theoretical foundations of chaplaincy. Students will also have the opportunity to develop an understanding of specific forms of chaplaincy (schools, hospitals, industrial contexts, etc.) with an emphasis on the practice of chaplaincy in these specific contexts.

Prerequisites: Enrolment in Graduate Diploma in Chaplaincy or Master of Divinity.

### **Chemical Analysis (CHE207)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

Determining the chemical constituents of complex solutions, foods, materials and soil samples all require the use of chemical analysis. This unit will provide students with a sound grasp of the fundamental principles underlying modern analytical chemistry and provides instruction in sample preparation, obtaining quality data and the use of wet chemical, separation, spectroscopic and electrochemical techniques. Students are trained in laboratory techniques frequently used in chemical, environmental, and forensic analysis, enabling them to solve practical analytical problems in many contexts.

Lectures/workshops: 3 x 1 hour per week; laboratories: up to 4 hours per week.

External: compulsory 5-day on-campus laboratory session.

Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to commencement of the teaching period.

Prerequisites: CHE144 Foundations of Chemistry/PEC144 Chemical

Principles.

Exclusions: Students who have successfully completed PEC240/CHE240 Chemical Analysis or BIO251 Analytical and Food Chemistry may not enrol in this unit for credit.

### Chemical Process Kinetics (ENG255)

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit considers the principles of chemical kinetics and the application of kinetics to various chemical/metallurgical processes. The unit considers the rate equations, reaction orders, rate constants, activation energy, reaction mechanisms and kinetic modelling of chemical and electrochemical reactions which involve homogeneous as well as heterogeneous reactions with particular attention to unit operations involved in mineral processing, hydrometallurgy and pyrometallurgy.

Lectures: 1 x 3 hours per week; laboratories: 1 x 3 hours per week

Prerequisites: All Part I units in the Chemical and Metallurgical Engineering major.

### Children and Crime (CRM302)

Credit Points: 3

Not available this year

This unit explores the victimisation and subsequent offending behaviour of children. The unit will cover the different forms of victimisation experienced by children, as well as outline the socio-psychological ramifications of that victimisation. The unit then goes on to explore the ways in which victimisation may foster offending behaviour for children and the appropriate correctional system response to child offenders.

Lectures/seminars: 2 hours per week.

Prerequisites: LEG120 Legal Research; CRM100 Introduction to Criminology; LEG100 Law, Justice and Social Policy; CRM210 Criminal Behaviour.

### Children and the Media (MCC321)

Credit Points: 4

Not available this year

What is the meaning of childhood in the contemporary world? How can we begin to answer that question in relation to the media: television, film, animation, radio, advertising, books, and the Internet? This unit provides a conceptual basis from which to approach the cultures of childhood, and the ways in which they connect to technologies of everyday life. Students will be encouraged to develop their own projects, supported by lectures, tutorial-workshops, and structured field work on and off campus.

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

Exclusions: Students who have completed MED321 Children and the Media are not eligible to enrol in this unit.

### Children's Literature in the Classroom (EDN301)

Credit Points: 4

MURDOCH: S2-internal, S2-external

Literature is a key component of the Australian Curriculum - English. This unit encourages students to become familiar with a wide range of children's literature, including classic and contemporary literature and texts from world cultures, and provides students with opportunities to gain an understanding of key aspects

of literary theory. The unit focuses on strategies for introducing literature in years K-10, and models innovative approaches that will enable school students to engage imaginatively and critically with literary texts.

Lectures/workshops: 3 hours per week.

External: No attendance required.

Prerequisites: Nil.

### Children's Literature in the Classroom (EDN308)

As for EDN301 except:

Credit Points: 3

Not available this year

### Children's Theatre (EGL240)

Credit Points: 3

MURDOCH: S1-internal

What are the requirements for a successful theatrical performance when the audience comprises children in the primary school? The answers are examined both theoretically and practically. A range of workshop opportunities are offered through which to develop skills, whether as actors, designers, stage-managers, set-builders, musicians or lighting and sound technicians. Aim: to develop an ensemble of skilled theatre practitioners whose learning processes result in the public performance of an original script for an audience of children.

Workshops: 3 hours per week.

A season of performances to young audiences takes place in Nexus Theatre in Week 15 of semester.

Prerequisites: Nil.

Exclusions: Students who have completed EGL213 Children's Theatre may not enrol in this unit for credit.

### Children, Families and Communities (EDN332)

Credit Points: 3

MURDOCH: S2-internal, S2-external

Interactions between education, families and communities are studied in this unit. The aim is to develop both the knowledge and the skills that teachers need for working with families in ways that both respect diversity and support students varied learning interests and needs. Topics include the relationship between social practices and socio-cultural practices; notions of educational risk; parent and community education; conceptions of parenthood and family; relationships between families and community, codes of professional practice, ethics and the law.

Lectures: 1 hour per week; workshops: 2 hours per week.

The unit includes four lectures run by invited speakers who are representatives of the Department of Education and different community agencies. These lectures are essential for students to become familiar with ethical guidelines and legal responsibilities relevant to the profession and they afford opportunities for students to reflect upon school-community connections.

Prerequisites: Enrolment in a teacher education course. BEd students must ALSO have successfully completed EDU101/EDU1011 Introduction to Teaching AND EDU103 Principles of Language and Literacy; OR BED150/EDN112 Understanding Teachers' Work AND EDN111 Language for Learning and Teaching. BEd students should be enrolled in or have successfully completed a Part II Professional Experience unit.



**Children, Families and Communities (EDN3321)***As for EDN332 except:*

Credit Points: 2

MURDOCH: S2-internal, S2-external

Lectures: 1 hour per week; workshops: 2 hours per week.

The unit includes four lectures run by invited speakers who are representatives of the Department of Education and different community agencies. These lectures are essential for students to become familiar with ethical guidelines and legal responsibilities relevant to the profession and they afford opportunities for students to reflect upon school-community connections.

Prerequisites: Enrolment in a teacher education course. BEd students must ALSO have successfully completed EDU101/EDU1011 Introduction to Teaching AND EDU103 Principles of Language and Literacy; OR BED150/EDN112 Understanding Teachers' Work AND EDN111 Language for Learning and Teaching. BEd students should be enrolled in or have successfully completed a school experience.

**China Today (AST585)**

Credit Points: 3

Not available this year

This unit addresses in depth the central issues that characterise today's China. Students will deal with the relevant literature on Chinese governance, domestic critical views, the Chinese military, China's 'soft power' campaign, and China's increasing international presence. The unit concludes with China's current position in the Asia Pacific region. At the end of the unit, students will be able to comprehend current Chinese issues in an analytic and critical manner.

Lectures: 2 hours; tutorials: 1 hour.

Prerequisites: Nil.

**Chinese Business (BUS243)**

Credit Points: 4

KAPLAN-SGP: TMA-internal

This unit will provide an introduction for students to the broad context in which Chinese business operates, and will address the general history, philosophy, cultural and management issues related to Chinese business, including the concept of guanxi. Topics include a brief history of the evolution of Chinese business; its environment; understanding of the nature of multinational, transnational and small businesses; business leadership; motivation; human resource management; ethics and social responsibility issues; and future challenges in managing Chinese business.

Lectures: 2 hours; tutorials: 1 hour.

Prerequisites: Nil.

No knowledge of Chinese language is required.

**Chinese Business Negotiations (BUS346)**

Credit Points: 4

MURDOCH: S2-internal, S2-external

This unit will examine the basis of effective cross-cultural negotiations with an emphasis on doing business with Chinese. Topics covered: cross-cultural communication; strategic mindsets; control and conflict; the legal, political, cultural and technological contexts faced by internationalising organisations; comparisons of business systems in a variety of developing and developed countries; and international strategic planning. By the end of the unit, students will have developed some negotiation skills necessary for undertaking business with Chinese.

Seminars: 3 hours.

Prerequisites: Nil.

No knowledge of Chinese language is required.

**Chinese Commercial Law (LLM508)**

Credit Points: 3

CHN1: S1D-internal

Commercial law in China is largely codified. This unit will review the areas of company law, bankruptcy law, foreign capital enterprise law, partnership law and the law of negotiable instruments from both historical and contemporary viewpoints. The unit is taught at the East China University of Political Science and Law in Shanghai, China.

Lectures: 12 hours; guided seminar style learning: 9 hours; field trip to either a Chinese court or law firm: 3 hours. This unit has an intensive teaching period over 4 days. Teaching occurs at the East China University of Political Science and Law in Shanghai.

Field trip.

Prerequisites: Enrolment in the Graduate Certificate in Chinese Law OR a completed Undergraduate Degree OR (LLB students with 24 points or less remaining) with permission of the Unit Coordinator.

Students who already hold an undergraduate degree (including graduate law students) may undertake this unit for credit. Undergraduate LLB students with more not more than 24 points remaining may apply for permission for enrolment in this unit for credit towards either the LLB or the Graduate Certificate in Chinese Law.

**Chinese Contract and Commercial Law (LLM522)**

Credit Points: 6

CITYUHK: S1D-internal

This unit will consider the changes to contract, company and commercial laws in the People's Republic of China. The development of these laws is fundamentally important to China's participation in the global economy and to foreign companies interested in collaborating and co-operating with Chinese businesses.

Taught intensively over 36 hours in January of each year, with final assessments due by end of semester 1.

Prerequisites: Enrolment in the Graduate Certificate in Chinese Law.

Enrolment in this program is by application to the program Director. Students enrolling in the program are responsible for their own airfares, accommodation and incidental expenses. Contact the School of Law for further information.

**Chinese Contract Law (LLM507)**

Credit Points: 3

CHN1: S1D-internal

The codified 'Contract Law of the People's Republic of China' came into effect in 1999. This unit considers the rights and duties of the parties to contracts that are governed by that law. In addition, the unit will review the remedies Chinese law provides for breach of contract. This unit is taught at the East China University of Political Science and Law in Shanghai, China.

Lectures: 12 hours; guided seminar style learning: 9 hours; field trip to either a Chinese court or law firm: 3 hours. This unit has an intensive teaching period over 4 days. Teaching occurs at the East China University of Political Science and Law in Shanghai.

Field trip.

Prerequisites: Enrolment in the Graduate Certificate in Chinese Law OR a completed Undergraduate Degree OR (LLB students with 24 points or less remaining) with permission of the Unit Coordinator.

Students who already hold an undergraduate degree (including graduate law students) may undertake this unit for credit. Undergraduate LLB students with more not more than 24 points remaining may apply for permission for enrolment in this unit for credit towards either the LLB or the Graduate Certificate in Chinese Law.

### Chinese Shipping and Trade Law (LLM509)

Credit Points: 3

CHN1: S1D-internal

This unit provides an introduction to the laws of shipping and trade as applied in the People's Republic of China. It also considers the Admiralty principles as applied in the PRC. The unit is taught at the East China University of Political Science and Law in Shanghai, PRC.

Lectures: 12 hours; guided seminar style learning: 9 hours; field trip to either a Chinese court or law firm: 3 hours; This unit has an intensive teaching period over 4 days. Teaching occurs at the East China University of Political Science and Law in Shanghai.

Field trip.

Prerequisites: Enrolment in the Graduate Certificate in Chinese Law OR a completed Undergraduate Degree OR (LLB students with 24 points or less remaining) with permission of the Unit Coordinator.

Students who already hold an undergraduate degree (including graduate law students) may undertake this unit for credit. Undergraduate LLB students with more not more than 24 points remaining may apply for permission for enrolment in this unit for credit towards either the LLB or the Graduate Certificate in Chinese Law.

### Chiropractic History and Principles (CHI210)

Credit Points: 2

MURDOCH: S1-internal

This unit provides the initial step towards becoming a member of the chiropractic profession. From a sociological perspective it examines the history of the professions in general and that of chiropractic specifically. It introduces skills, knowledge, and attitudes including the core professional virtues of trustworthiness and altruism. It examines the profession's past and present interface with society, particularly the doctor/patient relationship.

Tutorials: 2 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed CHI109 Chiropractic Skills and Principles I may not enrol in this unit for credit.

Students who are transferring to B1274 Chiropractic (BChiro, BSc) who have completed CHI124/EXS124 Principles of Sports Science are required to complete this unit. Enrolment in this unit requires the permission of the Academic Chair.

### Chiropractic Skills (CHI354)

Credit Points: 3

Not available this year

### Chiropractic Skills and Principles II (CHI309)

Credit Points: 4

MURDOCH: S2-internal

Builds on CHI109, CHI209 and CHI302, with emphasis on the development of chiropractic adjusting skills for the extremities. Practical sessions refine psychomotor skills essential for the most commonly utilised extremity adjusting techniques. The pathology of relevant orthopaedic conditions and disease processes is discussed as it relates to the extremities.

Lectures: 4 hours per week; practicals: 4 hours per week; clinics: 1 hour per week.

Prerequisites: Enrolment in Chiropractic and successful completion of CHI209 Biomechanics and Diagnostic Palpation Skills, CHI302 Diagnosis and Chiropractic Skills.

### Chiropractic Skills and Principles III (CHI409)

Credit Points: 2

MURDOCH: T1-internal

This unit integrates the students' chiropractic technique, soft tissue treatments, and rehabilitation skills for various neuromusculoskeletal conditions. Various chiropractic technique alternatives will be introduced in an evidence-based context. Students will further develop their foundation in manual skills and soft tissue treatments leading to better proficiency and competency. Students will develop an understanding of patient and case management for typical disorders seen in practice. The theory component will introduce students to major orthopaedic and neurological conditions affecting infants and children.

Lectures: 2 hours per week; practical laboratories; 2 hours per week.

Prerequisites: Enrolment in BSc/BChiropractic and successful completion of Bachelor of Science (Chiropractic), CHI301 Processes in Human Disease, CHI302 Diagnosis and Chiropractic Skills, CHI303 Primary Practice I: Clinical Science and Diagnosis, CHI304 Clinical Orthopaedics and Neurology, and CHI309 Chiropractic Skills and Principles II.

### Christian Ethics (THE267)

Credit Points: 4

Not available this year

An introduction to the principal patterns of theological reflection on the moral dimension of life and their relation to moral philosophy. Particular attention will be given to the ideas of natural law, the will of God, conscience and responsibility, and to the ethical significance of faith, hope and love. Moral issues of continuing and current concern will be considered in the light of the different patterns of thought and ideas, especially in the tutorial sessions.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Enrolment in BA (Theology) (B1113), BA (Theology) (Honours) (H1131) and B Theology (B1115).

**Christianity in Asia (THE489)**

Credit Points: 4

MURDOCH: S1-external

Focuses on the historical interaction between Christianity and Asian cultures and peoples from the seventh century to the twentieth century. Theme: encounter; that is, between eastern and western Christianity and the different cultures, faiths and peoples in Asia during these fourteen centuries. Topics: Nestorian missions to China and India in the seventh century; Catholic missions during the sixteenth century to India, South-East Asia, China and Japan; Protestant missions from the nineteenth century with particular reference to the British empire.

Lectures/seminars: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Any 200-level Asian studies, history or church history unit and enrolment in BA (Theology) (B1113), BA (Theology) (Honours) (H1131) or BTheology (B1115).

**Christianity in Asia (THE589)***As for THE489 except:*

Credit Points: 4

Not available this year

Prerequisites: Enrolment in BA (Theology) (B1113), BA (Theology) (Honours) (H1131) or BTheology (B1115).

**Christology (THE258)**

Credit Points: 4

MURDOCH: S2-external

This unit explores how Christian theology came to make various affirmations concerning the person and work of Jesus Christ. The unit covers biblical texts, philosophical frameworks and Christological controversies in the early Church. Building on this foundation, the unit will proceed to explore the way in which key figures in the history of theology understood the person and work of Jesus Christ, and some exemplary approaches offered by contemporary theologians.

Prerequisites: S107/THE107 Thinking Theology; Enrolment in BA (Theology) (B1113), BA (Theology) (Honours) (H1131) and B Theology (B1115).

Exclusions: Students who have successfully completed THE258 Christian Understandings of God may not enrol in this unit for credit.

**Christology (THE625)**

Credit Points: 3

Not available this year

In this unit we will investigate the Christian understanding of the person and work of Jesus Christ. In particular, we will explore the critical questions modern secular thinking poses for Christian understandings of Jesus Christ and possible theological responses. This will take place in critical interaction with the classical themes and questions of Christology and salvation as well as contemporary approaches.

Seminars: 2 hours per week

Prerequisites: THE505 Thinking Theology and THE510 Emerging Christian Theology - The Creeds (100-500CE)

Exclusions: Students who have successfully completed THE258 Christology cannot enrol in this unit.

**Church, Ministry and Sacraments (THE263)**

Credit Points: 4

Not available this year

This unit will examine historical and contemporary Christian thinking about the nature of the church as a social reality and an object of faith, the theology and practice of ministry, ordained and unordained, and the nature of the sacraments, especially baptism and eucharist.

Seminars: 2 hours per week.

Prerequisites: Enrolment in BA (Theology) (B1113), BA (Theology) (Honours) (H1131) or B Theology (B1115). Highly recommended: S107/THE107 Introduction to Theology or S102/THE102 The New Testament and Its World.

**Church, Ministry and Sacraments (THE663)**

Credit Points: 3

Not available this year

This unit will examine historical and contemporary Christian thinking about the nature of the church as a social reality and an object of faith, the theology and practice of ministry, ordained and unordained, and the nature of the sacraments, especially baptism and eucharist.

Seminars: 2 hours per week.

Prerequisites: THE505 Thinking Theology

**Circuits and Systems I (ENG125)**

Credit Points: 3

MURDOCH: S2-internal

This unit provides the necessary skills for the analysis of direct current (DC) electrical circuits and systems. In particular it is concerned with the study of fundamentals of electricity, DC circuits, nodal and mesh analysis, superposition and linearity, network laws and theorems, capacitors and inductors, operational amplifiers and their applications, basic RL, RC and RLC circuits and associated natural and forced responses.

Lectures: 1 x 1 hour per week; seminars: 1 x 1 hour per week; workshops: 1 x 1 hour per week; laboratories: 1 x 3 hours per week.

Prerequisites: Corequisite: MAS182 Applied Mathematics or MAS161 Calculus and Matrix Algebra.

**Circuits and Systems II (ENG297)**

Credit Points: 3

MURDOCH: S1-internal

This unit provides the necessary skills for the analysis of alternating current (AC) electrical circuits and systems. In particular, it is concerned with the steady-state analysis of circuits with sinusoidal excitation, the different types of power associated with AC circuits, three-phase circuits, magnetically coupled circuits, frequency response, resonance, bandwidth, two port networks, and principles of electromechanics.

Lectures: 2 x 1 hour per week; laboratories: 1 x 3 hour session per week; workshops: 1 hour per week.

Prerequisites: ENG125 Circuits and Systems I; MAS161 Calculus and Matrix Algebra.

Exclusions: Students who have successfully completed ENG126 Engineering Electrics or ENG243 Circuits and Systems II may not enrol in this unit for credit.

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**Cities and Sustainability (SUS523)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

Over half the world's population now live in urban areas and 75% could be urban by 2050. This unit examines the sustainability challenges that lie ahead as we become an increasingly urban species. It also explores how communities can respond to these challenges in a positive way, creating urban places and lifestyles that are more sustainable and that enhance human dignity and equality. In doing this, the unit draws on inspirational urban sustainability practices from around the world.

Lectures: 1 x 1.5 hours per week; tutorials: 1 x 1.5 hours per week.

Prerequisites: Enrolment in an Honours or Graduate-level course.

Exclusions: Students who have successfully completed STP623 Cities and Sustainability may not enrol in this unit for credit.

**Civil Procedure (LAW450)**

Credit Points: 4

MURDOCH: S1-internal

This unit covers the rules of civil procedure in Western Australia, including jurisdiction of Western Australian courts, commencement of proceedings and service of process, pleadings, discovery and other interlocutory proceedings, judgement (including enforcement), appeals, costs and alternatives to litigation.

Lectures: 4 hours per week. Up to 8 hours of seminars/drafting workshops; these may be held as a full-day session on a weekend during the semester.

Prerequisites: LEG120/LAW120 Research and Writing, LEG150/LAW150 Australian Legal System, LAW152 Torts, LAW130 Criminal Law and Procedure, LAW260 Contract, LAW258 Australian Administrative Law, LAW259 Constitutional Law, LAW253 Property, LAW252 Evidence.

Exclusions: Students who have previously successfully completed LAW350 Civil Procedure may not enrol in this unit

Students are advised that this unit should be taken in the last year of enrolment.

**Civil Procedure (LLB450)**

Credit Points: 3

Not available this year

This unit covers the rules of civil procedure in Western Australia, including jurisdiction of Western Australian courts, commencement of proceedings and service of process, pleadings, discovery and other interlocutory proceedings, judgement (including enforcement), appeals, costs and alternatives to litigation.

48 hours

Prerequisites: LEG120/LAW120 Research and Writing, LEG150/LAW150 Australian Legal System, LAW152 Torts, LAW130 Criminal Law and Procedure, LAW260 Contract, LAW258 Australian Administrative Law, LAW259 Constitutional Law, LAW253 Property, LAW252 Evidence. Students are advised that this unit should be taken in the last year of enrolment; PLUS concurrent enrolment with LLB451 Advanced Civil Procedure OR successful completion of LLB451 Advanced Civil Procedure.

Exclusions: Students who have previously successfully completed LAW350 Civil Procedure may not enrol in this unit

**Classical Sociological Theory (SOC207)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit introduces students to key themes and debates in Sociological Theory. It aims to foster a critical appreciation of the contribution of both classical and contemporary sociological theory.

Lectures/tutorials: 2.5 hours per week.

Prerequisites: Nil.

**Climate Change Adaptation: Ecosystems and Societies (ENV380)**

Credit Points: 4

Not available this year

The consequences of climate change are increasingly felt at regional, national and local scales, and already adaptation strategies have begun to spell out the changes needed to cope. This unit explores the areas in which adaptation will be required and how strategies are developed. It uses case studies from a variety of sectors and countries to provide a broad understanding of approaches which can assist us to meet the challenges posed by climate change.

Lectures: 1 hour per week; workshops: 2 hours per week.

Prerequisites: Nil.

Exclusions: Students who have completed STP380 Climate Change Adaptation: Policy and Practice may not enrol in this unit.

**Climate Change Adaptation: Ecosystems and Societies (ENV680)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

The consequences of climate change are increasingly felt at regional, national and local scales, and already adaptation strategies have begun to spell out the changes needed to cope. This unit explores the areas in which adaptation will be required and the processes by which change occurs in ecosystems and societies. It uses case studies from a variety of sectors and countries to provide a broad understanding of approaches which can assist us to meet the challenges posed by climate change.

Lectures: 1 hour per week; workshops 2 hours per week.

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students who have successfully completed STP680 Climate Change Adaptation: Policy and Practice may not enrol in this unit for credit.

**Clinical Biomechanics (CHI457)**

Credit Points: 3

Not available this year

**Clinical Governance (SHP641)**

Credit Points: 3

MURDOCH: S1-external

This unit is designed to foster knowledge of concepts, frameworks and practices of clinical and corporate governance, and an understanding of their application in health care settings. The integral links between an effective clinical and corporate governance framework and the four domains of patient safety and quality (consumer participation, clinical effectiveness, effective workforce and risk management) will be explored. The drivers and

barriers to the implementation of effective governance within healthcare organisations will also be investigated.

Prerequisites: Nil.

Exclusions: Students who have previously completed NUR641 Clinical and Corporate Governance may not enrol in this unit.

### Clinical Legal Education (LAW390)

Credit Points: 8

MURDOCH: S1-internal, S2-internal

Students in this unit participate in a clinical program focused on active involvement in the SCALES community legal centre practice based in Rockingham. Students will put their knowledge and skills into practice while assisting the community, and will develop professional commitment and ethical standards. Students also have an opportunity to assess the adequacy of law and legal processes in context. Under supervision of legal practitioners, students will see real clients and take responsibility for client files.

Seminars: 2 hours per week on campus; 1 full day attendance at the Law Clinic and otherwise as required.

Contact times will vary: contact Unit Coordinator for further information.

Prerequisites: LEG120 (prior to 2012)/LAW120 Research and Writing (prior to 2012), LEG150 (prior to 2012/ LAW150 Australian Legal System, LAW130 Criminal Law and Procedure, LAW152 Torts.

### Clinical Legal Education (LLB390)

*As for LAW390 except:*

Credit Points: 3

Not available this year

Prerequisites: LEG120 (prior to 2012)/LAW120 Research and Writing (prior to 2012), LEG150 (prior to 2012/ LAW150 Australian Legal System, LAW130 Criminal Law and Procedure, LAW152 Torts.

Exclusions: Students who have completed LAW390 Clinical Legal Education may not enrol in this unit for credit.

### Clinical Orthopaedics and Neurology (CHI304)

Credit Points: 4

MURDOCH: S2-internal

This unit builds on prior diagnosis units with emphasis on the development of evaluative processes to distinguish between the variety of underlying causes that may be associated with case history, physical and special examination findings. Small group/tutorial discussion and resolution of clinical presentations will emphasise orthopaedic and neurological evaluation of the patient and development of the working diagnosis. A radiology stream pertaining to osseous and articular trauma and infectious diseases of bone will be incorporated.

Lectures/workshops: 4 hours per week; practicals (small groups): 2 hours per week; project work/seminars: 2 hours per week.

Prerequisites: Enrolment in BSc/BChiro and successful completion of Years 1 and 2, CHI303 Primary Practice I: Clinical Science and Diagnosis, and CHI301 Processes in Human Disease.

### Clinical Pathology 1 (VET621)

Credit Points: 3

MURDOCH: S2-external (quota of 25 places)

The principal objective of this unit is to develop interpretative skills in diagnostic haematology, cytology and clinical biochemistry. The first part is devoted to haematology and cytology with a practical, microscopic component. The second part emphasises

problem-orientated selection and interpretation of laboratory tests with the focus on interpretative biochemistry.

Prerequisites: Enrolment in Master of Veterinary Studies (Small Animal Practice) (M1022), the Postgraduate Certificate in Veterinary Studies in Small Animal Practice (C1074), the Master of Veterinary Clinical Studies (M1223), the Doctor of Veterinary Medical Science (D1061) or permission of the Academic Chair.

This unit is subject to quota. Quota is due to the limited availability of practical kits. Students must be enrolled in the College of Veterinary Medicine's postgraduate or graduate courses.

### Clinical Pathology 2 (VET648)

Credit Points: 3

Not available this year

This unit emphasises problem-orientated selection and interpretation of laboratory tests with the focus on interpretative biochemistry.

Prerequisites: Enrolment in the Master of Veterinary Studies (Small Animal Practice) (M1022), the Postgraduate Certificate in Veterinary Studies in Small Animal Practice (C1074), the Master of Veterinary Clinical Studies (M1223), the Doctor of Veterinary Medical Science (D1061) or permission of the Academic Chair

Exclusions: Students who have successfully completed VET621 Clinical Pathology prior to 2014 may not enrol in this unit for credit.

This unit is subject to quota. Quota is due to limited resources. Students must be enrolled in the College of Veterinary Medicine's postgraduate or graduate courses.

### Clinical Practice 1: Aged Care (NUR151)

Credit Points: 1

PEEL: W6-placement

This unit is the first of six clinical practice units which provide the opportunity for students to develop clinical skills, knowledge and competency within different clinical contexts. Each of the units is intended to incrementally support students as they transition from nursing student to registered nurse. This and the second unit focus on the application of the fundamental nursing skills and knowledge that are the basis of nursing practice.

Clinical Practice: 8 hours per day for 15 days (120 hours) within allocated placement period

Students will also be required to undertake an additional 8 hours in total pre and post placement for preparation and feedback.

Prerequisites: Enrolment in the Bachelor of Nursing and successful completion of NUR100 Introduction to Nursing Practice, NUR103 Contemporary Nursing Practice, and NUR149 Human Structure and Function 1, or enrolment in the Bachelor of Nursing and successful completion of NUR100 Introduction to Nursing Practice, NUR103 Contemporary Nursing Practice, NUR102 Nursing Bioscience I, NUR104 Nursing Bioscience II.

Exclusions: Students who have successfully completed NUR110 may not enrol in this unit for credit.

Students will apply the skills and knowledge gained in the theoretical units and clinical laboratories to the clinical contexts to which they are assigned. The clinical fieldwork will contribute to the total of 1008 clinical hours over the six clinical practice units.

A result of Ungraded Pass or Fail is awarded for this unit.



### **Clinical Practice 2: Medical/Primary Health/Aged Care/Medical Rehabilitation (NUR155)**

Credit Points: 1

PEEL: SS2-placement

This unit is the second of six clinical practice units which provide the opportunity for students to develop clinical skills, knowledge and competency within different clinical contexts. Each of the units is intended to incrementally support students in their transition from nursing student to registered nurse. Building on the first clinical practice unit the focus is on the application of the fundamental nursing skills and knowledge that are the basis of nursing practice.

Clinical Practice: 8 hours per day for 15 days (120 hours) within allocated placement period. Students will also be required to undertake an additional 8 hours in total pre and post placement for preparation and feedback.

Prerequisites: NUR151 Clinical Practice 1, NUR153 Primary Health Care, NUR105 Nursing Health Assessment and Physical Examination and NUR154 Human Structure and Function 2.

Exclusions: Students who have successfully completed other clinical context and hours should contact the Academic Chair.

Students will apply the skills and knowledge gained in the theoretical units and clinical laboratories to the clinical contexts to which they are assigned. The clinical fieldwork will contribute to the total of 1008 clinical hours over the six clinical practice units.

A result of Ungraded Pass or Fail is awarded for this unit.

### **Clinical Practice 3: Medical/Surgical/Mental Health/Primary Health (NUR257)**

Credit Points: 1

PEEL: W6-placement

This unit is the third of six clinical practice units which provide the opportunity for students to develop clinical skills, knowledge and competency within different clinical contexts. Each of the units is intended to incrementally support students in their transition from nursing student to registered nurse. Building on the previous clinical practice units the focus is on the application of the acute care nursing skills and knowledge as they can be utilised within different clinical contexts.

Clinical Practice: 8 hours per day for 15 days (120 hours) within allocated placement period. Students will also be required to undertake an additional 8 hours in total pre and post placement for preparation and feedback.

Prerequisites: NUR203 Acute Care 1; NUR206 Contemporary Nursing Management of Mental Illness; NUR155 Clinical Practice 2 and NUR256 Medication Management for Nursing, OR NUR256 Medication Management for Nursing, NUR110 Introduction to Nursing Profession-Clinical Placement and NUR115 Health and Physical Assessment - Clinical Placement.

Exclusions: Students who have successfully completed other clinical context and hours should contact the Academic Chair.

Students will apply the skills and knowledge gained in the theoretical units they have successfully completed and will only be placed in these clinical contexts. The clinical fieldwork will contribute to the total of 1008 clinical hours over the six clinical practice units.

A result of Ungraded Pass or Fail is awarded for this unit.

### **Clinical Practice 4: Medical/Surgical/Mental Health/Paediatrics/Maternity/Primary Health/Community Paediatrics (NUR262)**

Credit Points: 1

PEEL: SS2-placement

This unit is the fourth of six clinical practice units which provide the opportunity for students to develop clinical skills, knowledge and competency within different clinical contexts. Each of the units is intended to incrementally support students in their transition from nursing student to registered nurse. Building on the previous clinical practice units the focus is on the application of the acute care nursing skills and knowledge as they can be utilised within different clinical contexts.

Clinical Practice: 8 hours per day for 15 days (120 hours) within allocated placement period. Students will also be required to undertake an additional 8 hours in total pre and post placement for preparation and feedback.

Prerequisites: NUR257 Clinical Practice 3, NUR256 Medication Management for Nursing; NUR205 Acute Care 2; NUR259 Maternal, Child and Adolescent Nursing Care.

Exclusions: Students who have successfully completed other clinical context and hours should contact the Academic Chair.

Students will apply the skills and knowledge gained in the theoretical units they have successfully completed and will only be placed in these clinical contexts. The clinical fieldwork will contribute to the total of 1008 clinical hours over the six clinical practice units.

A result of Ungraded Pass or Fail is awarded for this unit.

### **Clinical Practice 5 (NUR366)**

Credit Points: 3

PEEL: S2N-placement

This unit is the fifth of six clinical practice units which provide the opportunity for students to develop clinical skills, knowledge and competency within different clinical contexts. Each unit is intended to incrementally support students as they transition to registered nurses. Building on the previous clinical practice units the focus is on the consolidation of nursing skills and knowledge, and the processes of critically evaluating a variety of parameters to plan and coordinate patient care within different clinical contexts.

Clinical Practice: 8 hours per day for 30 days (240 hours) within allocated placement period. Students will also be required to undertake an additional 8 hours in total pre and post placement for preparation and feedback.

Prerequisites: Successful completion of the previous five semesters of core Nursing units.

Co-requisites: NUR365 Professional Issues in Nursing Practice and NUR367 Clinical Practice 6.

Exclusions: Students who have successfully completed other clinical context and hours should contact the Academic Chair.

Students will apply the skills and knowledge gained in the theoretical units and clinical laboratories to the clinical contexts to which they are assigned. This clinical fieldwork will contribute to the total of 1008 clinical hours over the six clinical practice units. Students are required to enrol full-time in the final semester of third year in NUR366 Clinical Practice 5, NUR367 Clinical Practice 6 and NUR365 Professional Issues in Nursing Practice.

A result of Ungraded Pass or Fail is awarded for this unit.

**Clinical Practice 6 (NUR367)**

Credit Points: 3

PEEL: S2N-placement

This unit is the final of six clinical practice units which provide the opportunity for students to develop clinical skills, knowledge and competency within different clinical contexts.

Building on the previous clinical practice units the focus is on the consolidation of nursing skills and knowledge, the processes of critically evaluating a variety of parameters to plan and coordinate patient care, and strategies that will support the student in their transition to registered nurse.

Clinical Practice: 8 hours per day for 30 days (240 hours) within allocated placement period.

Students will also be required to undertake an additional 8 hours in total pre and post placement for preparation and feedback.

Students must demonstrate evidence of meeting the ANMC National Competency Standards for Registered Nurses (2006) at a level commensurate with a sixth semester nursing student to achieve a pass in this unit. Assessment will be based on the SHP Student Clinical portfolio containing:

- Student objectives for the particular clinical practice context
- Reflective papers about the student's experience within the particular clinical practice context
- Employer Competency Assessments
- Attendance Requirements
- Clinical Skills Assessments
- Interim and Final Regulatory assessments by clinical nurse facilitators, supervisors and staff in the clinical context within which the student is practising.

Prerequisites: Must have successfully completed the previous 5 semesters of core Nursing units.

Co-requisite: NUR365 Professional Issues in Nursing Practice and NUR366 Clinical Practice 5.

Exclusions: Students who have successfully completed other clinical context and hours should contact the Academic Chair.

Students will apply the skills and knowledge gained in the theoretical units and clinical laboratories to the clinical contexts to which they are assigned. This clinical fieldwork will contribute to the total of 1008 clinical hours over the six clinical practice units. Students are required to enrol full-time in the final semester of third year in NUR366 Clinical Practice 5, NUR367 Clinical Practice 6 and NUR365 Professional Issues in Nursing Practice.

A result of Ungraded Pass or Fail is awarded for this unit.

**Clinical Practicum (CHI400)**

Credit Points: 12

Not available this year

**Clinical Practicum (CHI584)**

Credit Points: 12

MURDOCH: Y1-placement

The core of students' clinical training. Students engage in supervised, active patient care in the University's outpatient clinic. Participation in clinical rounds where special interest topics and cases will be discussed; these are designed to enhance critical thinking skills and facilitate the application of the concepts of best practice, while providing teaching opportunities. Students complete additional rotations in radiology and front desk management. In the latter part of the year students serve as mentors for fourth year students.

Clinic duties/clinical rounds/rotations: 20 hours per week; lectures: 1 hour; workshops: 1 hour; practicals: 1 hour.

Prerequisites: Enrolment in BSc/BChiro and successful completion of years 1 to 4 and the Clinic Entrance Assessment.

**Clinical Psychology: Developmental Disabilities (PSY567)**

Credit Points: 3

MURDOCH: S2-internal

This unit covers the major issues and methods that apply broadly to understanding and responding to challenges associated with developmental disabilities. The aim is to increase understanding of what constitutes a developmental disability and what are the effective assessment and treatment options.

Lectures: 3 hours per week.

Guest speakers from the Disability sector will contribute to students' learning in this unit.

Prerequisites: Enrolment in MAppPsych, DPsych or MAppPsych/PhD Clinical Streams.

**Clinical Psychology: External Practicum (PSY604)**

Credit Points: 12

MURDOCH: S1-placement, S2-placement, SUM-placement, Y-placement

Students must complete practical placements in appropriate agencies and organisations. They will be advised to select placements that meet APAC and Registration Board requirements. Students will also attend seminars in professional, practical and methodological issues.

Practical placements: 108 days total; seminars/workshops: as scheduled throughout the year.

Prerequisites: Enrolment in MAppPsych (Clinical) or MAppPsych (Clinical)/PhD; successful completion of PSY537 Clinical Psychology: Internal Practicum (Child, Youth and Family) and PSY538 Clinical Psychology: Internal Practicum (Adult); Provisional Registration as a Psychologist with Psychology Board of Australia.

Students are able to enrol in variable points in this unit to allow for the possibility that practica may straddle two calendar years.

A result of Ungraded Pass or Fail is awarded for this unit.

**Clinical Psychology: Internal Practicum (Adult) (PSY538)**

Credit Points: 3

MURDOCH: SUM-placement, Y-placement

Placements are normally in the Murdoch Psychology Clinic. Placements will give students experience in various forms of investigation and intervention presently practised in clinical psychology. The principal aim is to apply knowledge, experience and research from all aspects of scientific psychology to health care, education and social problems. This unit was previously called Applied Psychology Practical Placements I: Clinical Stream.

Practical placements: 9 months at 1 day per week or equivalent.

Prerequisites: Enrolment in MAppPsych (Clinical), DPsych (Clinical) or MAppPsych (Clinical)/PhD; concurrent enrolment in or successful completion of PSY669 Psychotherapy in Practice; and concurrent enrolment with, or successful completion of, PSY565 Clinical Psychology: Working with Adults, PSY664 Clinical Psychology: Working with Children and Families and PSY662 Psychological Assessment: Theory and Method; Provisional Registration as a Psychologist with Psychology Board of Australia.

Exclusions: Students who have successfully completed PSY561 Clinical Psychology: Internal Practicum may not enrol in this unit for

credit.

A result of Ungraded Pass or Fail is awarded for this unit.

### **Clinical Psychology: Internal Practicum (Child, Youth and Family) (PSY537)**

Credit Points: 3

MURDOCH: SUM-placement, Y-placement

Placements are normally in the Murdoch Psychology Clinic. Placements will give students experience in various forms of investigation and intervention presently practised in clinical psychology. The principal aim is to apply knowledge, experience and research from all aspects of scientific psychology to health care, education and social problems. This unit was previously called Applied Psychology Practical Placements I: Clinical Stream.

Practical placements: 9 months at 1 day per week or equivalent.

Prerequisites: Enrolment in MAppPsych (Clinical), DPsych (Clinical) or MAppPsych (Clinical)/PhD; concurrent enrolment in or successful completion of PSY669 Psychotherapy in Practice; and concurrent enrolment with, or successful completion of, PSY565 Clinical Psychology: Working with Adults, PSY664 Clinical Psychology: Working with Children and Families and PSY662 Psychological Assessment: Theory and Method; Provisional Registration as a Psychologist with Psychology Board of Australia.

Exclusions: Students who have successfully completed PSY561 Clinical Psychology: Internal Practicum may not enrol in this unit for credit.

A result of Ungraded Pass or Fail is awarded for this unit.

### **Clinical Psychology: Working with Adults (PSY565)**

Credit Points: 3

MURDOCH: S1-internal

This unit will consist of lectures and seminars covering the assessment, etiology, formulation and treatment of common psychological problems in adults. In addition to teaching a broad conceptual framework, commonly encountered specific disorders will be discussed with an emphasis on developing an understanding of the phenomena from psychological research and the unique experiences of the individual. Topics include anxiety, anger, depression, personality disorders, psychotic disorders, and eating disorders.

Lectures: 3 hours per week.

Prerequisites: Enrolment in MAppPsych, DPsych or MAppPsych/PhD.

### **Clinical Psychology: Working with Children and Families (PSY664)**

Credit Points: 3

MURDOCH: S1-internal

Includes critical examination of theories and interventions applicable to psychological problems of childhood and adolescence. Students will gain knowledge and skills in diagnoses of, and applying interventions to, a range of child and adolescent presentations including anxiety, depression, elimination disorders, conduct and behaviour problems, suicide and self-harm. Cognitive, behavioural, and systemic interventions will be examined and principals from attachment and developmental theory will be incorporated. Professional and ethical issues specific to child and adolescent populations will also be examined.

Seminars/practicals: 3 hours per week.

Within the timetabled seminars, students are also exposed to role-plays of clinical skills where the same are demonstrated by the

lecturer. Students are also presented with other practical exercises as part of the student presentations which include access tape-recorded clinical interviews, access to some treatment and assessment technology, and access to case material. Students are also required to present in Powerpoint format on the aetiology, clinical presentation of, and treatment for child psychopathologies and students begin to practice their own interview skills in a role-play taped assignment

Prerequisites: Enrolment in MAppPsych (Professional), MAppPsych, DPsych or MAppPsych/PhD.

### **Clinical Psychology: Working with Health Problems (PSY502)**

Credit Points: 3

MURDOCH: S2-internal

This unit will introduce students to biopsychosocial models of health from a behavioural medicine perspective. Psychological influences on infectious disease, cancer, cardiovascular disease and chronic pain, and the psychological management of these problems, will be addressed.

Lectures: 3 hours per week.

Prerequisites: Enrolment in MAppPsych, DPsych or MAppPsych/PhD.

### **Clinical Radiology (CHI420)**

Credit Points: 2

MURDOCH: T2-internal (quota of 90 places)

This unit completes the clinical radiology components of the course, covering topics such as neoplasm and other diseases of bone and soft tissues.

Lectures: 2 hours per week; practical laboratories: 2 hours per week.

Self-directed out-of-class assignment relating to radiographic lines of measurement.

Prerequisites: Successful completion of BSc(Chiropractic) or permission of the Academic Chair.

This unit is subject to quota. Quota is due to limited resources and space requirements. Preference will be given to students in the Bachelor of Chiropractic.

### **Clinical Radiology (CHI440)**

*As for CHI420 except:*

Credit Points: 3

Not available this year

This unit is not subject to quota.

### **Coastal and Marine Management (ENV333)**

*As for ENV381 except:*

Credit Points: 3

Not available this year

Prerequisites: CHE144 Foundations of Chemistry/PEC144 Chemical Principles, ENV242/ENV213 Atmospheric Science, ENV241/ENV268 Ecology, ENV244/ENV282 Oceanography and Marine Pollution and BIO384 Marine and Estuarine Biology/BIO377 Marine Ecology

Exclusions: Students who have successfully completed ENV381 Coastal and Marine Management may not enrol in this unit for credit.

This unit is not subject to quota.



**Coastal and Marine Management (ENV381)**

Credit Points: 4

MURDOCH: S2-internal (quota of 60 places)

This unit explores current coastal and marine management issues and practices by focusing on the diverse habitats represented along the Western Australian coastline. Emphasis is placed on the use of spatial data and Geographical Information Systems (GIS) technology. Practicals include mapping of beaches, detection and monitoring of coastal change using remote sensing imagery, and GIS applications for coastal resource inventories, habitat mapping and assessment of vulnerability in planning for coastal development.

Lectures: 2 hours per week; practical work: 3 hours per week.

Groups of students will undertake a beach mapping project that requires two visits to a local beach of their choice.

Prerequisites: PEC144 Chemical Principles//CHE144 Foundations of Chemistry, ENV213/ENV242 Atmospheric Science, ENV268/ENV241 Ecology, ENV282/ENV244 Oceanography and Marine Pollution and BIO384 Marine and Estuarine Biology.

This unit is subject to quota. Quota is due to limited laboratory space. Selection is based on academic achievement in ENV282 Oceanography and Marine Pollution.

**Commercial Banking (BUS307)***As for BUS326 except:*

Credit Points: 3

Not available this year

Prerequisites: BUS224 Corporate Finance or BUS244 Treasury Management; or BUS286 Treasury Management or BUS288 Corporate Finance

Exclusions: Students who have completed BUS326 Commercial Banking may not enrol in this unit for credit.

**Commercial Banking (BUS326)**

Credit Points: 4

MURDOCH: S2-internal, S2-external  
KAPLAN-SGP: TMA-internal  
SGP1: TMB-internal

Overview of functions and objectives of commercial banking. Assets, liability and liquidity management; interest rate management and bank lending instruments will be covered in the course. Derivative securities salient to financial intermediation, loan commitments and securitisation will also be examined.

Seminars: 1 x 3 hours per week.

Prerequisites: BUS224 Corporate Finance or BUS244 Treasury Management or BUS288 Treasury Management

**Commercial Law (LAW332)**

Credit Points: 4

MURDOCH: S2-internal

The unit aims to introduce students to principal areas of commercial law common in legal practice. Topics covered include the law of sale of goods; bailment; the law of agency; and the provisions of the Australian Consumer Law regulating misleading and deceptive conduct, unconscionable conduct, unfair contract terms, unfair practices and consumer guarantees and the underlying policy. Relevant legislation is considered and interpreted in this unit.

Lectures: 3 hours per week.

Prerequisites: LEG120 (prior to 2012)/LAW120 Research and

Writing, LEG150 (prior to 2011)/LAW150 Australian Legal System, LAW152 Torts, LAW130 Criminal Law and Procedure, LAW260 Contract; OR enrolment in the Bachelor of Common Law.

**Commercial Law (LLB332)***As for LAW332 except:*

Credit Points: 3

Not available this year

Prerequisites: LEG120 (prior to 2012)/LAW120 Research and Writing, LEG150 (prior to 2011)/LAW150 Australian Legal System, LAW152 Torts, LAW130 Criminal Law and Procedure, LAW260 Contract; OR enrolment in the Bachelor of Common Law.

Exclusions: students who have completed LAW332 Commercial Law may not enrol in this unit for credit

**Communicating Global Issues (CMS304)**

Credit Points: 3

Not available this year

This unit provides students with an interdisciplinary global perspective, focusing on gendered (masculine and feminine) dimensions of economic and cultural politics. The growth of international capitalism and its expansion beyond national boundaries has created a greater degree of integration and interdependency between nations and national economies. The unit explores issues of cultural difference, clash, specificity, resistance and transformation in response to globalisation by analysing issues such as sex trafficking, AIDS, transnational corporations and corporate social responsibility.

Lectures: 1 hour per week; tutorials: 1 x 1.5 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed MCC386 People and Globalisation cannot enrol in this unit.

**Communication Management Research Project (MCM680)**

Credit Points: 6

MURDOCH: S1-internal, S2-internal, Y-internal

Under supervision students complete a research project or significant investigation of a topic approved by the Unit Coordinator.

Initial seminar and regular contact in person or otherwise with the Unit Coordinator during the project.

Prerequisites: Enrolment in Master of Arts in Communication Management or Master of Communication Management. Students are normally expected to enrol in this unit once they have completed most other course requirements.

**Communication Management: Professional Perspectives (MCM683)**

Credit Points: 6

MURDOCH: S1-internal

This unit exposes students to leading edge information and case studies relevant to the media and communication industries. The focus is on enhancing the capacity of students to manage communication in different international and organisational business and cultural contexts. It examines the corporate and entrepreneurial challenges associated with communicating persuasively and with authority across multiple media platforms.

Taught in intensive mode with lectures and seminars, followed by

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independent study.

Prerequisites: Enrolment in the Master of Arts in Communication Management or Master of Communication Management.

### **Communication Management: Strategy and Leadership (MCM681)**

Credit Points: 6

MURDOCH: S1-internal

This unit will focus on developing leadership in professional communication, decision-making and management skills. It will examine purposeful communication of organisations as well as links to media and culture and identify relationship building with targeted audiences. The unit will take a multidisciplinary perspective and draw on case studies to develop ethical, just and socially-responsible communication and management practices. It will also consolidate a sound knowledge of communication theory and develop high order critical and creative thinking skills.

Seminars: 3 hours per week during teaching weeks, plus additional seminar/s during teaching or non-teaching weeks, schedule permitting. Details to be provided at commencement.

Prerequisites: Enrolment in the Master of Arts in Communication Management or Master of Communication Management or Graduate Diploma in Web Communication.

### **Communication Projects (MCC316)**

Credit Points: 4

MURDOCH: S1-internal, S2-internal

This is a project based unit allowing students to apply their theoretical learning to an authentic communication task in order to develop high-level communication management skills. Students may participate in a client or educator-led project under the supervision of an academic member of staff. Students may work individually or as a member of a team. The precise nature of the project and the assessment requirements are negotiated with the Unit Coordinator.

Consultation with Academic supervisor.

Prerequisites: Permission of the Unit Coordinator.

Exclusions: Students who have successfully completed MED316 Radio Project may not enrol in this unit for credit.

### **Communication Projects (RAD316)**

*As for MCC316 except:*

Credit Points: 3

Not available this year

### **Communication Research (MCC213)**

Credit Points: 4

DUBAI-ISC: TMD-internal  
KAPLAN-SGP: TMA-internal  
SGP1: TMB-internal

This unit engages students in thinking critically about communication research. Students are introduced to quantitative and qualitative methods. Dedicated attention is given to researching the professional contexts of public relations. The unit aims to ensure students are able to develop research proposals, can differentiate between methods of data collection and analysis, and understand research ethics and management. Students should gain in-depth knowledge about conducting meaningful and purposeful communication and public relations research.

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

Exclusions: Students who have completed MSC110 Media Research Methods are not eligible to enrol in this unit.

### **Community and Social Policy (COD214)**

Credit Points: 3

Not available this year

This unit aims to equip students with an understanding of social policy. It will assist students to grasp the policy context that shapes social and community work. The unit focuses on the intersection between social policy and community engagement in a bid to explore how social issues make it onto the policy agenda. Students will be encouraged to consider concepts such as social justice, equity, reciprocity and welfare and how these are interpreted at a social policy level.

Lectures/workshops: up to 3 hours per week.

Prerequisites: Nil.

### **Community and Social Policy (COD355)**

Credit Points: 4

MURDOCH: S1-internal, S1-external

This unit aims to equip students with an understanding of social policy. It will assist students to grasp the policy context that shapes social and community work. The unit focuses on the intersection between social policy and community engagement in a bid to explore how social issues make it onto the policy agenda. Students will be encouraged to consider concepts such as social justice, equity, reciprocity and welfare and how these are interpreted at a social policy level.

Lectures/workshops: up to 3 hours per week.

Prerequisites: Nil.

### **Community Development Dissertation (COD650)**

Credit Points: 12

MURDOCH: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

A dissertation in the MA in Community Development requires a substantive investigation of a relevant Community Development topic under the supervision of a member of the academic staff. Students are required to report the results of their investigation in a dissertation of at most 20,000 words completed in accordance with University requirements.

Prerequisites: Enrolment in MA in Community Development.

Students cannot self-enrol in this unit.

### **Community Development Internship (COD508)**

Credit Points: 6

MURDOCH: S2-internal, S2-external

The Community Development Internship is a cooperative arrangement between the University, students and non-government, government and business organisations involved in community work. Students undertake project work, policy development or research activities with the collective guidance of a supervisor in an organisation and an academic supervisor. The project is supported by a series of workshops designed to prepare students to carry out the internship and undertake academic reflection of the work.

Minimum of five weeks full-time (or equivalent) in the workplace; workshops: 6 x 3 hours on campus.

Prerequisites: COD545 Community Development Theory and Practice

### **Community Development Theory and Practice (COD545)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit aims to introduce students to the range of theoretical traditions that have shaped community development practice. In discussing various approaches to practice, examples will be drawn from the history of Australian, British and American community work. This advanced unit will also examine recent turns in community development practice and the limitations of new methodologies.

Lectures/workshops: up to 3 hours per week.

Prerequisites: Enrolment in a Graduate course.

Exclusions: Students who have successfully completed COD125 Introduction to Community Development cannot enrol in this unit.

### **Community Engagement (Charles Darwin University SBI401) (OTH546)**

Credit Points: 3

This unit investigates the role of social partnerships and community engagement in the management of plant biosecurity, where 'the community' may include international, national, regional scales of engagement and government, industry and public sectors. Learning focuses on analysis of how social structures augment understanding and action for biosecurity management, and on the importance of consultation and authentic engagement for effective practice. This unit is offered by Charles Darwin University. Please refer to the Charles Darwin University unit catalogue <http://www.cdu.edu.au/>

Weekly online /conference phone workshops are scheduled for students who are available, but are not compulsory. These workshops are to discuss key readings and assessment items with the lecturer and student peers.

Prerequisites: Enrolment in the Graduate Diploma in Plant Biosecurity or Master of Plant Biosecurity

### **Community Work across Sites, Settings and Peoples (COD201)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

Community development is a set of ideas and range of practices used in a variety of contexts by many different groups. This unit provides an understanding and appreciation of the diverse settings and areas of practice within community development in contemporary Australia. Students will develop skills and experience in describing and critically reflecting upon practical examples of community development. In addition, students will learn skills to help with the preparation of funding applications.

Prerequisites: Nil.

Exclusions: Students who have successfully completed COD235 Community Work across Sites, Settings and Peoples may not enrol in this unit.

### **Companion Animal Practice (VET413)**

Credit Points: 12

Not available this year

### **Company Law (BSL305)**

Credit Points: 3

Not available this year

Prerequisites: BUS165 Principles of Business Law/BSL165 Foundations of Business Law + 24 credit points at Part 2 Level

Exclusions: Students who have successfully completed BUS328/BSL328 Company Law may not enrol in this unit for credit.

### **Company Law (BSL328)**

Credit Points: 4

MURDOCH: S2-internal, S2-external

This unit will examine how Australian company law provides for the formation, operation and termination of companies as a form of business organisation. The relationships between participants in the enterprise, between the company and the state and between the company and those outside the company will be considered.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: BUS165 Principles of Commercial Law and completion of at least 24 points of Part II-level units.

Exclusions: Students who have completed BUS328/BSL305 Company Law may not enrol in this unit for credit.

### **Company Law (BUS328)**

Credit Points: 4

KAPLAN-SGP: TMA-internal  
SGP1: TMB-internal

This unit examines how Australian company law provides for the formation, operation and termination of companies as a form of business organisation. The relationships between participants in the enterprise, between the company and the state and between the company and those outside the company will be considered.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: BUS165 Principles of Commercial Law and completion of at least 24 points of Part II-level units.

Exclusions: Students who have successfully completed BSL305/BSL328 Company Law may not enrol in this unit for credit.

Trimester offerings for this unit at Singapore (SGP1) are taught in intensive mode.

### **Company Law (MBS509)**

**As for MBL509 except:**

Credit Points: 4

KAPLAN-SGP: TJA-internal, TSA-internal

Lectures/seminars/workshops: 3 hours per week.

Prerequisites: MBS502 Law for Business or MBL502 Law for Business.

Exclusions: Students who have successfully completed MBL509 Business and Commercial Law may not enrol in this unit for credit.

**Comparative Contract Law (LAW349)**

Credit Points: 4

Not available this year

This course will introduce students to the law of the contract for the sale of goods in the United States, Australia, and under the United Nations Convention on Contracts for the International Sale of Goods. The course will also include an introduction to the law of documents of title, shipment of goods, and payment by letters of credit.

Taught intensively over 1 week: refer to the teaching timetable for details.

Prerequisites: LEG120 (prior to 2012)/LAW120 Research and Writing, LEG150 (prior to 2011)/LAW150 Australian Legal System, LAW152 Torts, LAW130 Criminal Law and Procedure, LAW260 Contract.

Exclusions: Students who have completed LAW300 Special Topics in Law: Comparative Contract Law may not enrol in this unit for credit.

The exam for the unit will be held one week after the end of face to face teaching.

**Comparative Contract Law (LLB349)***As for LAW349 except:*

Credit Points: 3

Not available this year

Prerequisites: LEG120 (prior to 2012)/LAW120 Research and Writing, LEG150 (prior to 2011)/LAW150 Australian Legal System, LAW152 Torts, LAW130 Criminal Law and Procedure, LAW260 Contract.

Exclusions: Students who have completed LAW300 Special Topics in Law: Comparative Contract Law or LAW349 Comparative Contract Law may not enrol in this unit for credit.

**Comparative Corporate Governance and International Operations (BUS284)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

Today's business leaders must implement systems that create value for customers. This unit elucidates the creation of greater value through new/enhanced internal processes and corporate governance best practices in an increasingly competitive, complex, connected world. In managing the procurement, transformation and distribution of goods, global supply-chain managers employ strategies and tactics to share inventory-related risks, whilst fulfilling customer demands. Issues relating to the ownership and security of transported goods and compliance to international regulations are also covered.

3 hours per week.

Prerequisites: BUS176 Foundations of Management and Governance.

**Comparative Environmental Policy and Law (ENV552)**

Credit Points: 3

MURDOCH: S1-internal

This unit entails advanced study into the principles underlying environmental governance structures and alternative models for environmental policy, and their application in practice. The legislative support for environmental policy will be explored from the international to the state level. The nature and effectiveness of different environmental policy instruments will be examined.

Possible avenues for law reform will be examined.

Three half-day sessions during the semester and in Week 8 a full-day session. All these sessions will be run face-to-face on weekends.

Prerequisites: Enrolment in a graduate-level (AQF level 8) course. Co-requisite: Good internet access for external students, a web camera and microphone for the online sessions.

Exclusions: Students who have successfully completed ENV228/ENV528 Environmental Policy and Law may not enrol in this unit for credit.

**Comparative Law (LLB325)**

Credit Points: 3

IMACERATA: S2G-internal (quota of 35 places)

This unit introduces students to the methodology of comparative law and to the basic structures and principles of selected major legal systems. It will concentrate on the main characteristics of the civil law system, as exemplified by German and French law. Students will be introduced to a comparative approach of studying law, enabling them to draw useful conclusions for their future legal career.

Taught intensively over 1 week: refer to timetable for details.

Prerequisites: The equivalent of two years of full-time study towards an LLB.

Concurrent enrolment in LAW258/LLB358 Australian Administrative Law, if not already completed.

Exclusions: Students who have successfully completed LAW3002 Special Topics in Law: Comparative Law may not enrol in this unit for credit.

The S2G enrolment option for this unit is offered as part of the European Summer Program in Law, hosted at the University of Macerata, Italy. Enrolment in this program is by application to the program Director, and applications require payment of a non-refundable deposit. Students enrolling in the program are responsible for their own airfares, accommodation and incidental expenses during the program. Contact the School of Law for further information.

This unit is subject to quota. Quota is due to limited resources and space requirements. Preference will be given to Law students in their final year.

**Comparative Mammalian Biochemistry (VET272)**

Credit Points: 3

MURDOCH: S1-internal

Understanding molecular and metabolic biochemistry is central to the understanding of production, health, disease, and management of animals. The unit emphasises the conceptual understanding of DNA, gene expression and metabolism in the whole animal. Regulation of tissue metabolism and how it relates to animal adaptation and the production products for humans forms the central component of the unit. Digestion and absorption of nutrients by herbivores, omnivores and carnivores and their utilisation in the body are used to integrate the unit.

Lectures: 3 x 1 hour per week; Laboratories: 1 x 3 hours for 4 weeks (includes pre-lab); tutorials: 1 x 1 hour for 4 weeks.

Prerequisites: Enrolment in BSc (Veterinary Biology)/Doctor of Veterinary Medicine/BSc (Animal Science)/B Animal Science/BSc (Animal Health); BIO152 Foundations of Cell and Molecular Biology.

Exclusions: Students who have completed BMS261 Human and Comparative Biochemistry or ANS251 Agricultural Biochemistry may not undertake this unit for credit.

**Comparative Theatre (EGL342)**

Credit Points: 3

Not available this year

**Complex Care (NUR305)**

Credit Points: 4

PEEL: S1N-internal

Unit focuses on a range of complex nursing skills and clinical decision making to support students in acute care settings such as accident and emergency, high dependency, intensive care, coronary care, perioperative and oncology units. It also addresses specific physiological and psychosocial responses and associated nursing care related to pathophysiological mechanisms of disease. Knowledge, scenarios, competencies and skills relevant to body systems being studied in order to determine best practice nursing care based on evidence and research will be included.

Lectures: 1 hour per week; laboratories: 2 hours per week.

Prerequisites: NUR203 Acute Care 1, NUR205 Acute Care 2, NUR256 Medication Management for Nursing

Students will demonstrate knowledge and competencies developed within this unit in a structured clinical practice.

**Computational Mathematics (MAS167)**

Credit Points: 3

DUBAI-ISC: TJD-internal, TSD-internal

In this unit, students will learn to use the prominent mathematical computer package MATLAB to perform basic mathematical procedures and to solve problems in the general area of discrete mathematics. Topics include: recurrence relations, solving equations graphically and iteratively, computer arithmetic, basics of counting and discrete probability, matrices and linear transformations of the plane, propositional and predicate logic, mathematical induction, Boolean algebra and logic networks.

Lectures/tutorials/computer laboratories: 4 hours per week.

Prerequisites: A pass in Year 11 Foundations of Mathematics or equivalent OR satisfactory or higher achievement in WACE Mathematics (2A/2B or higher).

**Computer Based Measurement and Control (ENG502)**

Credit Points: 3

MURDOCH: S2-internal

This unit provides both the understanding and skills necessary for designing and implementing a computer based measurement and control system. Emphasis is upon PC based data acquisition and control, but some exposure to remote I/O is also provided. Although some theoretical concepts are addressed, emphasis is upon the development of practical skills and problem solving with LabVIEW being used as the primary vehicle.

Meetings/laboratories: by arrangement with the Unit Coordinator.

Prerequisites: Enrolment in the Master of Engineering or Graduate Diploma in Engineering.

Students are expected to have experience in at least one programming language and fundamental knowledge of electrical circuits and electronics.

**Computer Forensics (ICT504)**

Credit Points: 3

MURDOCH: S2-internal

This unit provides an overview of computer forensic practice for IT professionals, compliance, and law enforcement personnel. The unit is of value to first respondents in criminal, investigation, civil litigation, or staff misconduct. Students will combine theoretical study with simulations of transgression on computer networks. Students become familiar with best computer forensic practice using leading forensic tools, undertake forensic analysis for incident reconstruction, and analysis reporting.

Workshops/seminar: 1 x 3 hours per week.

Prerequisites: Enrolment in a graduate IT course or permission of the Academic Chair.

Exclusions: Students who have completed ICT548 Cyber Forensics may not enrol in this unit for credit.

**Computer Graphics Principles and Programming (ICT289)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit introduces the theory and techniques used in two and three dimensional computer graphics with an emphasis on applications development using a high level programming language and graphics library. Topics include: The OpenGL interface for graphics programming; geometric objects and their transformations; projections, shading, curves and surfaces, animation, texture, ray tracing.

Lectures: 1 x 2 hours per week plus optional clinics; laboratories: 1 x 2 hours per week.

Prerequisites: ICT167 Principles of Computer Science OR ICT104 Principles of Computer Science. Students are encouraged to also complete MAS162 Foundations of Discrete Mathematics.

Exclusions: Students who have successfully completed ICT215 Computer Graphics Principles and Programming may not enrol in this unit for credit.

**Computer Science Research Topic (ICT700)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal

The purpose of this unit is to introduce students to an advanced topic of current interest within the computer science research community. The exact topic studied in this unit varies as the topic will be taught by an active researcher in that area. Possible topics: parallel computing, object-oriented database design; digital image processing and analysis; artificial neural networks; software design and development; formal specification of software systems.

Seminars: 2 to 3 hours per week.

Prerequisites: Enrolment in the Doctor of Information Technology.

**Computer Security (ICT287)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit provides a strong understanding of foundational security models and designs, and links these models with their applications amongst real-world systems. General topics include operating system security models; security vulnerabilities; security assessment and analysis; basic applied cryptography; authentication and key

exchange techniques and issues; network security; digital rights management; social and legal issues concerning security.

Lectures: 2 hours per week; laboratory: 2 hours per week.

Prerequisites: ICT171 Introduction to Server Environments and Architecture.

Exclusions: Students who have successfully completed ICT339 Computer Security may not enrol in this unit for credit.

### Conflict of Laws (LAW341)

Credit Points: 4

Not available this year

Explores the effect of jurisdiction, choice of law and the enforcement and recognition of judgements in cases where the dispute crosses legal systems. This may occur in Australia in interstate disputes and in cases where one party is foreign. In essence this unit is concerned with resolving conflicts that arise because of the interaction between two different legal systems. As these rules vary between different legal systems, this knowledge is essential for lawyers operating in a globalised world.

Taught intensively over 1 week: refer to timetable for details.

Prerequisites: LAW259 Constitutional Law; LAW258 Australian Administrative Law; LAW252 Evidence; LAW260 Contract.

The exam for the unit will be held one week after the end of face to face teaching.

### Conflict of Laws (LLB341)

*As for LAW341 except:*

Credit Points: 3

Not available this year

Prerequisites: LAW259 Constitutional Law; LAW258 Australian Administrative Law; LAW252 Evidence; LAW260 Contract.

Exclusions: Students who have completed LAW341 Conflict of Laws may not enrol in this unit for credit.

### Conservation Biology (BIO368)

Credit Points: 4

MURDOCH: S1-internal

This unit provides students with a biological understanding of the major issues and approaches involved in the conservation of flora and fauna. The unit emphasises Australian examples. Topics: biodiversity, population biology and conservation, extinction and populations at risk, management of biota in conservation areas, translocations, ex-situ preservation and reintroduction of biota.

Lectures: 3 hours per week; workshops: 3 hours per week.

The unit provides a unique and outstanding opportunity to view Western Australia's premier conservation organisations. The unit has off-campus field trips to participate in conservation biology programs that may include marine conservation management at Penguin Island (Shoalwater Marine Park), behind the scenes tours of the WA State Herbarium, The WA Museum (collections of natural history), Kings Park and Botanical Gardens and Perth Zoo.

Prerequisites: ENV268/ENV241 Ecology.

### Conservation Biology (BIO375)

*As for BIO368 except:*

Credit Points: 3

Not available this year

Lectures: 2 hours per week; workshops: 3 hours per week.

The unit provides a unique and outstanding opportunity to view Western Australia's premier conservation organisations. The unit has off-campus field trips to participate in conservation biology programs that may include marine conservation management at Penguin Island (Shoalwater Marine Park), behind the scenes tours of the WA State Herbarium, The WA Museum (collections of natural history), Kings Park and Botanical Gardens and Perth Zoo.

Prerequisites: ENV268/ENV241 Ecology.

Exclusions: Students who have successfully completed BIO368 Conservation Biology may not enrol in this unit for credit.

As this is a 3 credit point unit students are expected to spend on average ~12 hours per week for the 12 weeks of this teaching period (or 150 hours overall, or 50 hours per credit point) working on this unit. This includes the 6 hours of on campus activities scheduled in the timetable. It is expected that students go over the required reading material of the unit as part of this time commitment.

### Conservation Medicine (VET630)

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit aims to provide students with an understanding of fundamental issues associated with conservation medicine. The unit will explore a range of issues related to the interdisciplinary integration of veterinary science and conservation biology. Topics include: wildlife management, habitat protection, indigenous knowledge and community participation, integrated conservation and development projects, sustainable development, the role of institutions involved with wildlife conservation, the role of veterinarians in wildlife conservation efforts and the role of private practitioners in community conservation projects.

Tutorials: 1 x 2 hours per week for internal students, on-line discussion for external students.

Prerequisites: Enrolment in Master of Veterinary Studies (Conservation Medicine) or Doctor of Veterinary Medical Sciences.

Enrolment in this unit in the internal mode is subject to approval by the Academic Chair.

### Conservation Science (ENV638)

Credit Points: 3

Not available this year

This unit explores the systems and interactions that characterise the complex natural environments we manage today. Particular attention is given to quantitative and qualitative systems modelling, with practical examples from protected areas, biodiversity conservation, and natural resource management. Conservation planning and associated developments in spatial planning using geographic information systems for natural resource management are also covered. Human values regarding natural systems and their responses to management are other important elements of this unit.

Lectures: 1 hour per week; workshops 2.5 hours per week.

**Constitutional Law (LLB259)**

Credit Points: 3

MURDOCH: S2-internal

This unit reviews the basic principles of constitutional law in Australia. This will be done through examining the following topics: the origin and development of state and federal constitutional law; the principles of federalism and separation of powers; specific grants of power to the Commonwealth legislature under section 51 of the Commonwealth Constitution; express and implied constitutional rights; and the process of constitutional change.

Lectures: 3 hours per week; tutorials/workshops: up to 10 hours per semester.

Prerequisites: Successful completion of LEG150 (prior to 2012) / LAW150 Australian Legal System / BJU100 Australian Legal System and LEG120 (prior to 2012)/LAW120 Research and Writing / LLB120 Legal Writing for Lawyers.

Exclusions: Students who have successfully completed LAW259 Constitutional Law may not enrol in this unit for credit.

**Consumer Behaviour (BUS273)**

Credit Points: 4

DUBAI-ISC: TMD-internal

KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

SGP1: TMB-internal

Studying how consumers behave is an important marketing activity in today's dynamic business and consumer environment. Consumers purchase products and services differently due to factors such as demographics, psychographics, culture and marketing. Consumer Behaviour investigates such differences and the subsequent decision-making. The unit also examines related ethical and social issues. Examples, discussions and exercises help illustrate the importance of consumer behaviour for business and non-profit organisations.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: BUS169 Principles of Marketing or BUS183 Foundations of Marketing or TOU213 Tourism Marketing.

**Consumer Behaviour (BUS299)***As for BUS273 except:*

Credit Points: 3

MURDOCH: S2-internal, S2-external

Lectures: 2 hours per week; tutorials: 1 hour per week

Prerequisites: BUS169 Principles of Marketing or BUS183 Foundations of Marketing

Exclusions: Students who have completed BUS273 Consumer Behaviour may not enrol in this unit for credit.

**Contemporary Advances in Economics: Theory and Applications - Honours (MBS597)**

Credit Points: 3

MURDOCH: S1-internal

Economics assumes people are rational and self-interested decision makers. This unit introduces the cutting-edge microeconomic field known as experimental or behavioural economics and behavioural game theory; this research presents a more nuanced picture of 'economic man'. The implications of these new approaches for a number of real-world problems and issues that have been inadequately addressed by traditional economics are considered, such as addiction, cooperation and the valuation of non-marketed goods including environmental protection and safety .

Lectures/seminars: 3 hours per week.

Prerequisites: Enrolment in Economics (BBus(Hons)) with Honours.

Exclusions: Students who have completed BUS463 Contemporary Advances in Economics: Theory and Applications - Honours may not enrol in this unit for credit.

**Contemporary Asia (AST281)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit provides an introduction to the histories, societies and cultures of our Asian region from World War 2 to the present. Students analyse the major challenges faced by Asian nations in the post-colonial transition, and study the strategies adopted to transform these societies into what is today the world's most dynamic region. This unit provides a solid grounding for later more specialised study of particular countries, or the application of particular disciplines to the study of this important region.

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: AST102 Asian Centuries

**Contemporary Culture (CMS102)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit introduces students to foundational concepts, theories and approaches to the study of culture. It is premised on understanding the relationship between power, identity and the role of the media in the production and dissemination of culture. We consider how culture and knowledge are produced, communicated, mediated and how they construct 'self-hood'. We also discuss cultural expression in everyday life and popular culture. You will have opportunities to think critically about these issues via mixed modes of assessment.

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed MCC103 Contemporary Culture may not enrol in this unit.

**Contemporary Dynamics in Asian International Affairs (SWM623)**

Credit Points: 3

MURDOCH: S1-internal

The 21st century is predicted to be the 'Asian Century', yet 'Asia' is highly differentiated in its politics, societies and economies. This unit examines the current and future course of political and economic change in the Asian region. It reviews Asian economic dynamics and challenges, regional and global cooperation, emerging security issues and changing patterns of power and order. Students will develop an understanding of regional politics in Asia, and gain the skills to engage with major contemporary policy challenges.

Seminars and workshops are delivered in intensive teaching mode (24 hours contact time), which may include evenings and weekends. Students will then complete research assignments independently, in consultation with teaching staff.

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students who have successfully completed SSH623 Contemporary Dynamics in Asian International Affairs may not enrol in this unit for credit.

**Contemporary Fiction Writing (EGL343)**

Credit Points: 3

Not available this year

**Contemporary Financial Accounting (BUS256)**

Credit Points: 4

MURDOCH: S1-internal, S1-external  
 KAPLAN-SGP: TJA-internal, TSA-internal  
 SGP1: TJB-internal, TSB-internal

This is an advanced accounting unit and therefore critically examines and evaluates a number of specific issues selected from the prevailing set of accounting standards promulgated in Australia and legally mandated for use by companies. These range from share issues, asset impairment and intangibles consolidations, tax-effect accounting, extractive industries, leases, financial instruments and public sector accounting. The unit focuses on definitions, concepts, principles and theories as well as accounting practices in the Australian context.

Lectures: 2 hours per week; workshops: 1 hour per week.

Prerequisites: BUS217 Technology and Accounting Processes.

Trimester offerings for this unit at Singapore (SGP1) are taught in intensive mode.

**Contemporary Financial Accounting (BUS356)***As for BUS256 except:*

Credit Points: 3

Not available this year

Lectures: 2 hours per week; workshops: 1 hour per week.

Prerequisites: BUS285/BUS217 Technology and Accounting Processes

Exclusions: Students who have completed BUS256 Contemporary Financial Accounting may not enrol in this unit for credit.

**Contemporary Nursing Management of Mental Illness (NUR206)**

Credit Points: 4

PEEL: S1N-internal

This unit focuses on a number of areas designed to enhance students' knowledge and understanding of mental illness in our society. It explores the major types of mental illness and some of the approaches used in the treatment of these underpinned by research evidence; the impact of stigma on those suffering from mental illness, the assessment of risk and some of the ethical dilemmas faced by practitioners and consumers.

Lectures: 1 hour per week; tutorials: 2 hours per week.

Students will be provided additional experiences such as role play as part of studying in this unit. Clinical placements are provided to students after completing the unit.

Prerequisites: Completion of all Part I core BNursing units.

**Contemporary Nursing Practice (NUR103)**

Credit Points: 3

PEEL: S1N-internal

This unit is the first of two units that focus on the professional matters underpinning contemporary nursing practice. These units are intended to incrementally support students in their evolution from student nurse to registered nurse. In this introductory unit students will be provided with opportunities to explore the

historical and theoretical foundations, professional, regulatory, legal and ethical standards, and the key roles and responsibilities that underpin the delivery of patient care.

Lectures: 1 hour per week; tutorials: 2 hours per week.

Prerequisites: Enrolment in Bachelor of Nursing.

**Contemporary Sociological Theory (SOC308)**

Credit Points: 3

Not available this year

This unit is designed to equip students with an understanding of contemporary sociological theories. Students will learn to apply the latest sociological concepts and perspectives to understanding the world around us. In the process, students will tackle some of the key questions facing today's society, such as how do people construct identity and belonging in a globalised world, and what is the role of power and social control in the regulation of social life?

Lectures/seminars: 1 x 2.5 hours per week.

Prerequisites: Nil.

**Contemporary Theatre Practice (EGL202)**

Credit Points: 4

Not available this year

This unit seeks to examine the processes involved in the staging of a theatrical production, from the selecting of a text to the public performance of that text: proverbially, from 'page' to 'stage'. The unit also provides students with a range of practical models from which to construct their own approach to producing theatre and provides excellent preparation for more advanced production units such as EGL329 Acting and Production II and EGL213 Children's Theatre.

Lectures/workshops: 3 hours per week; rehearsals and performance: as required.

Prerequisites: Corequisite (for all students): Internet access.

**Contemporary Theatre Practice (EGL349)***As for EGL202 except:*

Credit Points: 3

Not available this year

Exclusions: Students who have successfully completed EGL202 Contemporary Theatre Practice may not enrol in this unit.

**Contract Law (LLB260)**

Credit Points: 3

MURDOCH: S1-internal

This unit provides an introduction to the law of contract in Australia. The unit will deal with the requirement of consideration for enforceable contracts, their formation by offer and acceptance, the necessity if any for certain forms for them, their terms and the interpretation of those terms, vitiation of otherwise enforceable contracts for mistakes, misrepresentation and illegality, and termination of contracts by performance, acceptance of breach and frustration. The issue of damages will also be examined in this unit.

Lectures: 36 hours during the semester; tutorials 10 x 1 hour during the semester.

Prerequisites: Successful completion of LEG150 (prior to 2012) / LAW150 Australian Legal System / BJU100 Australian Legal System and LEG120 (prior to 2012)/LAW120 Research and Writing / LLB120 Legal Writing for Lawyers.



Exclusions: Students who have completed LAW260 Contract may not enrol in this unit for credit.

Graduate students may enrol in both LLB120 Legal Writing for Lawyers and BJU100 Australian Legal System as co-requisites.

### Control System Investigation (ENG668)

Credit Points: 3

MURDOCH: S1-internal

This unit examines different methodologies for evaluation of control system performance. Large scale process case studies are identified, modelled and controlled using different types of conventional and advanced controllers studied in previous units. Suitable performance indicators/measures are then identified and implemented into the case studies and used to evaluate the performances of the control systems especially in relation to process economics.

Lectures/tutorials/meetings/laboratories: By arrangement with the Unit Coordinator.

Prerequisites: ENG525 Instrumentation and Control I; ENG508 Instrumentation and Control II; ENG563 Processes, Simulation and Instrumentation.

### Control Systems and Process Dynamics (ENG299)

Credit Points: 3

MURDOCH: S2-internal, SUM-internal

This unit provides the foundations in the dynamics, modelling and control of process-oriented systems. Topics: concepts of process control, system components; elements of dynamic analysis, Laplace Transform; process models, transfer functions; low order, second order and time delay systems; stability; feedback control; PID controller, tuning. Simulink and MATLAB are used extensively in problem solving and simulations while LabVIEW is used to perform measurement/control in the instrumentation and control laboratory.

Lectures: 1 x 2 hours per week; computer workshop: 1 x 2 hours per week; laboratories: 1 x 2 hours per week.

Prerequisites: PEC152/PEN152 Principles of Physics; MAS161 Calculus and Matrix Algebra or co-requisite MAS208 Mathematical Modelling; ENG109 Computing for Scientists and Engineers; ENG192 Energy, Mass and Flow or CHE144 Foundations of Chemistry.

### Controversies in Australian Politics (POL227)

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit addresses 'deep' and 'shallow' controversies in Australian politics. 'Deep' controversies are those that concern the nature and function of Australian politics. They include a growing Presidentialisation, under- and over- representation, major party domination, a lack of accountability and media distortion. 'Shallow' controversies concern the ways that political institutions deal, or not, with major policy issues. These include achieving environmental sustainability, protecting rights, creating liveable cities, addressing the needs of indigenous Australians and delivering education and social welfare.

Lectures and tutorials

Prerequisites: Nil.

### Corporate Accounting (MBS632)

Credit Points: 4

KAPLAN-SGP: TMA-internal

This is an advanced unit in financial accounting which focuses on issues that arise because a business is incorporated. The topics include those that have a high degree of specific relevance to large public companies and include disclosure, mergers and acquisitions, governance and share issue. These topics will be discussed in the context of the law, International and Australian Accounting Standards and generally accepted accounting practices.

Lectures/seminars/workshops: 3 hours per week.

Prerequisites: MBS513/ MBS539 Accounting for Managers.

It is strongly recommended that Accounting Processes is completed before taking this unit.

### Corporate Accounting (MBS678)

*As for MBS632 except:*

Credit Points: 3

MURDOCH: S2-internal

Prerequisites: MBS513/MBS539 Accounting for Managers

Exclusions: Students who have completed MBS632 Corporate Accounting may not enrol in this unit for credit.

### Corporate Finance (BUS224)

Credit Points: 4

DUBAI-ISC: TMD-internal

KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

SGP1: TJB-internal, TSB-internal

The main objective of this unit is to develop a basic knowledge of finance, especially in relation to the investment decisions for the corporate financial manager. Major topics: the evaluation and selection of investment projects; introduction to the capital asset pricing model; dividend policy and capital structure; and working capital management.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: BUS140 Principles of Finance and Banking and MAS180 Introduction to Statistics or BUS130 Foundational Mathematics for Business

Trimester offerings for this unit at Singapore (SGP1) are taught in intensive mode.

### Corporate Finance (BUS286)

*As for BUS224 except:*

Credit Points: 3

MURDOCH: S2-internal, S2-external

Lectures: 2 hours; tutorials: 1 hour

Prerequisites: BUS140 Principles of Finance and Banking and MAS180 Introduction to Statistics, or BUS130 Foundational Mathematics for Business

Exclusions: Students who have completed BUS224 Corporate Finance may not enrol in this unit for credit.

**Corporations and Securities Law (MBL509)**

Credit Points: 3

MURDOCH: S1-internal

This unit will examine how Australian company law provides for the formation, operation and termination of companies as a form of business organisation. The relationships between participants in the enterprise, between the company and the state and between the company and those outside the company will be considered.

Lectures/seminars/workshops: 3 hours per week.

Prerequisites: MBL502 Law for Business or MBS502 Law for Business; enrolment in a graduate-level course.

Exclusions: Students who have successfully completed MBS509 Company Law may not enrol in this unit for credit.

**Corporations Law (LAW452)**

Credit Points: 4

MURDOCH: S1-internal

This unit will consider the major forms of private business association in Australia, focusing on the company and the partnership. The unit will consider how business associations are formed, financed and terminated. The classes will chiefly pertain to the case law and to the relevant statutes - the Partnership Act 1895 (WA) and the Corporations Act (Cth) - and their interpretation.

Lectures: 4 hours per week; tutorials/workshops: up to 10 hours per semester.

Prerequisites: LEG120 (prior to 2012)/LAW120 Research and Writing, LEG150 (prior to 2011)/LAW150 Australian Legal System, LAW152 Torts, LAW130 Criminal Law and Procedure, LAW260 Contract, LAW258 Australian Administrative Law, LAW259 Constitutional Law, LAW252 Evidence, LLB253 Property A and LLB254 Property Law B.

Juris Doctor students may concurrently enrol in LAW258 Australian Administrative Law and LAW352/LAW452 Corporations Law.

Exclusions: Students in Law/Commerce who enrol in this unit may not enrol in C328/BUS328 Company Law for credit.

**Corporations Law (LLB452)***As for LAW452 except:*

Credit Points: 3

Not available this year

Prerequisites: LEG120 (prior to 2012)/LAW120 Research and Writing, LEG150 (prior to 2011)/LAW150 Australian Legal System, LAW152 Torts, LAW130 Criminal Law and Procedure, LAW260 Contract, LAW258 Australian Administrative Law, LAW259 Constitutional Law, LAW252 Evidence, LLB253 Property A and LLB254 Property Law B.

Juris Doctor students may concurrently enrol in LAW258 Australian Administrative Law and LAW352/LAW452 Corporations Law.

Exclusions: Students who have completed LAW352 Corporations Law may not enrol in this unit for credit.

**Counselling Adults (CSL583)**

Credit Points: 3

MURDOCH: S2-internal

Students will be introduced to theories and intervention approaches which explain and promote health and well-being in adults. Common psychological issues that are encountered in counselling, such as depression and anxiety will be covered. A skills-based approach to dealing with significant adult concerns, including relationship complexities will also be covered.

Lectures: 3 hours per week.

Prerequisites: Must be enrolled in the Graduate Certificate or Graduate Diploma of Counselling or Master of Counselling. Other students wanting to study this unit can be interviewed by the Unit Coordinator for consideration by the Counselling Academic Chair

Exclusions: Students who have successfully completed PSY583/530 Counselling: Working with Adults may not enrol in this unit for credit.

**Counselling Children and Adolescents (CSL578)**

Credit Points: 3

MURDOCH: S2-internal

PEEL: S2-internal

Working with children and adolescents means engaging explicitly within a web of relationships. In this unit students are encouraged to become familiar with the lived experience of children, adolescents and their families. Students expand their capacity to create effective counselling relationships with individuals, dyads and family groups. Students will become familiar with commonly encountered issues and gain applied knowledge of theories and models that underpin counselling with children and adolescents. Attention will be given to social context and human diversity.

Lectures: 3 hours per week.

Prerequisites: Enrolment in the Postgraduate or Graduate Certificate of Counselling, Postgraduate or Graduate Diploma of Counselling or Master of Counselling. Other students wanting to study this unit can be interviewed by the Unit Coordinator for consideration by the Counselling Academic Chair.

Exclusions: Students who have successfully completed PSY578/535 (Counselling: Children and Families) may not enrol in this unit for credit.

**Counselling Placement and Supervision Group 1 (CSL579)**

Credit Points: 4

MURDOCH: DE7-placement, S1L-placement

In this unit students begin working with clients in the Counsellor Training Centre at Murdoch campus. Students work with child and adult clients with the support of individual and group supervision. Close attention is paid to developing and maintaining counselling relationships, case conceptualisation, engagement in supervision, and professional practice.

A minimum of 15 hours per week.

Prerequisites: Completion of Postgraduate or Graduate Diploma and enrolment in Master of Counselling or by permission of the Counselling Academic Chair.

Exclusions: Students who have successfully completed PSY522/579 (Counselling: Placement and Supervision Group 1) may not enrol in this unit for credit.

Students in this unit undertake counselling work with vulnerable members of the public: all students will be assessed through staff review, and in some cases interview, for their readiness to undertake this unit. Students may be asked to undertake extra preparation.

A result of Ungraded Pass or Fail is awarded for this unit.

### **Counselling Placement and Supervision Group 1 (CSL679)**

*As for CSL579 except:*

Credit Points: 6

MURDOCH: DE7-placement (quota of 22 places), S1L-placement (quota of 22 places)

A result of Ungraded Pass or Fail is awarded for this unit.

This unit is subject to quota. Quota is due to limited resources for supervising students during practicum. Selection is based on academic performance in core Counselling units as well as other criteria indicating readiness for practice.

### **Counselling Placement and Supervision Group 2 (CSL621)**

Credit Points: 6

MURDOCH: DE7-placement (quota of 12 places), S1L-placement (quota of 12 places)

Students complete their second placement in an appropriate counselling environment, working with the supervision of a practising counsellor. Students participate in group supervision on campus, providing a link between training and supervision within the University and work and supervision on placement. Counselling relationships, supervisory relationships, case conceptualisation and intervention are key elements in this unit. Understanding issues relating to ethical conduct, indigenous and CALD perspectives and professional practice are developed through group supervision.

36 days of placement in consultation with the Placement Coordinator, plus up to 2 hours per week group supervision and occasional seminars.

Prerequisites: Enrolled in the Master of Counselling and have completed CSL679 previously PSY522/PSY579 Counselling Practicum 1 and all units comprising the Graduate Diploma of Counselling, i.e. CSL582 Principles of Counselling1; CSL581 Group Counselling; CSL566 Case Conceptualisation and Assessment in Counselling; CSL578 Counselling Children and Adolescents; CSL583 Counselling Adults; CSL676 Introduction to Creative Arts Therapies in Counselling; SHP632 Applied health research methods: from research to practice plus CSL621/PSY621 Counselling Practicum 2, or by permission of the Counselling Academic Chair.

Exclusions: Students who have successfully completed PSY621 Counselling: Placement and Supervision 2 or PSY622 Counselling: Placement and Supervision 3 may not enrol in this unit for credit.

This unit has a quota which may result in some students not being able to enrol in the unit in the semester they choose. This may mean studying part-time.

A result of Ungraded Pass or Fail is awarded for this unit.

This unit is subject to quota. Quota is due to limited resources for supervising students during practicum. Selection is based on academic performance in core Counselling units as well as other criteria indicating readiness for practice.

### **Counselling Placement and Supervision Group 3 (CSL622)**

Credit Points: 6

MURDOCH: DE7-placement (quota of 12 places), S1L-placement (quota of 12 places)

Students complete their final placement in an appropriate counselling environment, working with the supervision of a practising counsellor. Students participate in group supervision on campus, providing a link between training and supervision within the University and work and supervision on external placement. Counselling relationships, supervisory relationships, case

conceptualisation and intervention are key elements in this unit. Students continue to develop their ability to engage with ethical issues, indigenous and CALD perspectives, and professional conduct through group supervision.

36 days of placement in consultation with the Placement Coordinator plus up to 2 hours per week in supervision group and occasional seminars. When a student completes CSL622 at the same workplace as CSL621 Counselling Placement and Supervision Group 2, a reduction in the number of days required may be negotiated.

Prerequisites: Enrolled in the Master of Counselling and have completed CSL679 previously PSY522/PSY579 Counselling Practicum 1 and all units comprising the Graduate Diploma of Counselling, i.e. CSL582 Principles of Counselling1; CSL581 Group Counselling; CSL566 Case Conceptualisation and Assessment in Counselling; CSL578 Counselling Children and Adolescents; CSL583 Counselling Adults; CSL676 Introduction to Creative Arts Therapies in Counselling; SHP632 SHP 632 Applied health research methods: from research to practice, plus CSL621/PSY621 Counselling Practicum 2, or by permission of the Counselling Academic Chair.

Exclusions: Students who have successfully completed PSY622 Counselling: Placement and Supervision 3 may not enrol in this unit for credit.

This unit has a quota which may result in some students not being able to enrol in the unit in the semester they choose. This may mean studying part-time.

A result of Ungraded Pass or Fail is awarded for this unit.

This unit is subject to quota. Quota is due to limited resources for supervising students during practicum. Selection is based on academic performance in core Counselling units as well as other criteria indicating readiness for practice.

### **Counselling Placement and Supervision Group 3 (CSL6221)**

*As for CSL622 except:*

Credit Points: 3

MURDOCH: DE7-placement (quota of 12 places), S1L-placement (quota of 12 places)

36 days of placement in consultation with the Placement Coordinator plus up to 2 hours per week in supervision group and occasional seminars. When a student completes this unit at the same workplace as CSL621 Counselling Placement and Supervision Group 2, a reduction in the number of days required may be negotiated.

Prerequisites: Enrolment in the Master of Counselling and successful completion of CSL679 previously PSY522/PSY579 Counselling Practicum 1 and all units comprising the Graduate Diploma of Counselling, i.e. CSL582 Principles of Counselling1; CSL581 Group Counselling; CSL566 Case Conceptualisation and Assessment in Counselling; CSL578 Counselling Children and Adolescents; CSL583 Counselling Adults; CSL676 Introduction to Creative Arts Therapies in Counselling; SHP632 Applied Health Research Methods: From Research to Practice, plus CSL621/PSY621 Counselling Practicum 2, or by permission of the Counselling Academic Chair.

Exclusions: Students who have successfully completed PSY622 Counselling: Placement and Supervision 3 may not enrol in this unit for credit.

This unit has a quota which may result in some students not being able to enrol in the unit in the semester they choose. This may mean studying part-time.

A result of Ungraded Pass or Fail is awarded for this unit.

This unit is subject to quota. Quota is due to limited resources for supervising students during practicum. Selection is based on academic performance in core Counselling units as well as other

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criteria indicating readiness for practice.

### **Counselling Research Project (CSL620)**

Credit Points: 9

MURDOCH: H-internal, S1-internal, S2-internal, SUM-internal, Y-internal

Evaluating central features and outcomes of counselling practice is an important element of counsellors' commitment to accountability as practitioners. In this unit, students are required, based on the study design developed in SHP632 to conduct and report in journal article format, a substantial research project addressing an issue in counselling theory or practice.

Contact time to be discussed with Supervisor.

Prerequisites: 24 credit points in Master of Counselling or permission of the Counselling Academic Chair.

Exclusions: Students who have successfully completed PSY620 Counselling: Research Project may not enrol in this unit for credit.

### **Counselling Research Project (CSL677)**

Credit Points: 6

MURDOCH: Y-internal

Case studies enable counsellors to contribute to shared professional knowledge by presenting carefully documented and analysed case-based evidence. Case study research is a modality of research relevant to students of counselling as it informs the profession while also providing a structure for personal and professional development in therapists, in the form of opportunities to reflect on practice. In this unit students will acquire the conceptual understanding and practical tools required to conduct systematic, high-quality counselling case study research.

Seminars: 3 hours per week.

Prerequisites: Enrolment in Master of Counselling; SHP632 Applied Health Research: From Research to Practice. Other students wanting to study this unit can be interviewed by the Unit Coordinator for consideration by the Counselling Academic Chair.

Exclusions: Students who have successfully completed PSY677 Counselling: Case Study may not enrol in this unit for credit.

### **Counterterrorism Policy (SWM627)**

Credit Points: 3

Not available this year

In the 21st century global security and the phenomenon of terrorism have become central concerns for both national governments and global institutions. This unit provides students, practitioners and professionals with the analytical tools to understand key security threats and the complex and multi-dimensional phenomenon of terrorism. The unit focuses principally upon counterterrorism: the development of policy, the evaluation and critique of existing practices of counterterrorism, and the relationship of counterterrorism policies to democracy, human rights and social justice.

Seminars and workshops are delivered in intensive teaching mode (24 hours contact time), which may include evenings and weekends. Students will then complete research assignments independently, in consultation with teaching staff.

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students who have successfully completed SSH627 Counterterrorism Policy may not enrol in this unit for credit.

### **Country, Cultures, Peoples: Aboriginal and Torres Strait Islander Perspectives Across the Curriculum (EDN353)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit was developed in response to the Australian Curriculum and the AITSL National Standards that require students to demonstrate a broad knowledge of Aboriginal and Torres Strait Islander Country, Cultures and Peoples and to have a graduate-level understanding of strategies for teaching Aboriginal and Torres Strait Islander students. Students will need to read critically, reflect on a range of matters, including teaching strategies and curricular issues, and demonstrate and understand the protocols involved in working with Indigenous peoples.

Lectures: 2 hours per week; workshops: 1 hour per week.

Each student's program will show evidence of a step-by-step research trail that will underpin the final program.

1. Personal Approach to Teaching and Rationale for including Indigenous perspectives;
2. Researching an Indigenous person of note (either historical or contemporary);
3. Researching the history of the country on which students live (or work), as well as cultural practices salient to the Indigenous peoples of this country;
4. An integrated term program for either primary or secondary school students.

Feedback will be provided during online or face-to-face workshops.

Prerequisites: Enrolment in an initial teacher education course.

### **Country, Nature and Identity: Indigenous Sustainability (AIS301)**

Credit Points: 4

MURDOCH: S1-internal, S1-external

This unit explores the intersections between sustainability, Indigenous community aspirations and cultural-natural resources, and our collective responsibility to better understand and manage Australian landscapes and communities. It encourages students to explore their own assumptions about big ideas like 'nature', 'civilisation' and 'development', in light of Australian (and often international) notions of 'country', which include a cultural commitment to reciprocity, stewardship and the co-evolution of people and their environments.

Lectures: 1 hour per week; workshops: 2 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed AIS201 Indigenous Sustainability may not enrol in this unit for credit.

### **Country, Nature and Identity: Indigenous Sustainability (AIS306)**

Credit Points: 3

Not available this year

This unit explores the intersections between sustainability, Indigenous community aspirations and cultural-natural resources, and our collective responsibility to better understand and manage Australian landscapes and communities. It encourages students to explore their own assumptions about big ideas like 'nature', 'civilisation' and 'development', in light of Australian (and often international) notions of 'country', which include a cultural commitment to reciprocity, stewardship and the co-evolution of people and their environments.

Lectures: 1 hour per week; workshops: 2 hours per week.

Prerequisites: Nil.

Exclusions: Students who have completed AIS301 Country, Nature and Identity; Indigenous Sustainability or AIS201 Indigenous Sustainability may not enrol in this unit for credit.

### **Creating and Managing Effective Learning Environments (EDN358)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit focuses on ways of enhancing the learning of all students by examining the cognitive, emotional, social and behavioural factors which impact on the ecology of inclusive learning environments. It considers whole school, community, classroom and individual teaching and learning adjustments to meet diverse student needs. The unit includes lectures run by invited speakers (community agents, mental health professionals, and in-service teachers) allowing students to reflect upon the complexities involved in creating and managing effective learning environments in real settings.

Lectures: 1 hour per week; workshops: 2 hours per week

Prerequisites: Co-enrolment in, or successful completion of, EDN221 Learning and Teaching or EDU245 Learning and Assessment Processes or equivalent. Students without the prerequisite should consult the Unit Coordinator.

Exclusions: Students who have successfully completed EDN422 Creating Effective Learning Environments cannot take this unit for credit.

### **Creating History (HIS300)**

Credit Points: 3

Not available this year

This History 'capstone' unit allows students to participate in a major supervised research project and reflect on their practice of history. Students will have the opportunity to apply discipline-specific knowledge and skills gained throughout their degree. The unit will serve as a gateway to further study in History and consolidate learning applicable to future employment.

Seminars: 1 x 2 hours per week.

Prerequisites: Successful completion of HIS200 History, Society and Culture

### **Creative Radio (RAD301)**

Credit Points: 3

Not available this year

Exposes students to non-traditional radio forms such as radio drama, comedy, quiz shows and 'live studio audience' radio which can act as springboards for other media. In fields like radio art, experimental music radio and avant-garde sound/radio, both the practice itself and scholarly study can be developed. These alternative radio forms offer creative insight into what radio could be, expanding understanding of mainstream radio practice and giving the opportunity to produce radio in a broader creative paradigm.

Lectures: 1 hour per week; workshops: 1.5 hours per week.

Prerequisites: RAD105 Introduction to Radio or EGL122 Writing and Creativity.

### **Creative Ways to Work with Community (COD302)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

Increasingly individuals, organisations, 'communities' and various government instrumentalities are signalling that community involvement in planning, management and government is something they would like to see carried out more often. At the same time, a range of imaginative strategies and tools have emerged to try and increase the level of community involvement in decision-making. This unit introduces students to some of these practical participatory methods.

Prerequisites: Nil.

### **Creativity and Innovation (BRD209)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit will help you develop knowledge and skills for finding creative solutions to problems and for successful innovation. You will learn the benefits of adopting and applying diverse perspectives and problem-solving tools, especially within interdisciplinary teams, to find better ideas and products. Examples of creative and innovative thinking will be taken from a broad spectrum of disciplines, including science, engineering, the environment, media, ethics, business and indigenous culture.

Lectures: 1 hour; workshops: 2 hours.

Prerequisites: Nil.

### **Credit and Lending Decisions (BUS308)**

*As for BUS337 except:*

Credit Points: 3

Not available this year

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: BUS224/ BUS286 Corporate Finance; BUS244/BUS288 Treasury Management

Exclusions: Students who have completed BUS337 Credit and Lending Decisions may not enrol in this unit for credit.

### **Credit and Lending Decisions (BUS337)**

Credit Points: 4

MURDOCH: S1-internal, S1-external

KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

SGP1: TJB-internal, TSB-internal

The focus of this unit is the key functions of the bank with particular emphasis on the management of lending and credit assessment. Topics include: an overview of credit risk, the credit decision, management of problem loans and credit policy formulation and implementation. In addition, current credit techniques including credit scoring models and value at risk (VAR) will be introduced.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: BUS224 Corporate Finance or BUS244 Treasury Management.

### **Crime and Punishment Since 1700 (HIS204)**

Credit Points: 3

Not available this year

Focusing on Western society from the eighteenth century to the present, this unit explores crime and punishment from an historical perspective. Crime is examined in relation to social changes,

protest, class and gender, along with the evolution of punishment and detection. Material will be drawn from the United States, Britain and Australia, with topics ranging from archaic game laws to modern serial killers.

Lectures/workshops: 1 x 2 hours per week.

### **Crime Scene Investigation I (BIO596)**

Credit Points: 3

MURDOCH: S2-internal

This unit provides instruction on approaches to crime scene processing with a focus on the role of crime scene investigative teams. Principles of scene documentation, evidence preservation and seizure are discussed and practical exercises are used to demonstrate how a crime scene contributes to a criminal investigation. Principles of scene photography, procedures relevant to the collection of biological and physical evidence and elements of crime scene reconstruction are introduced. Training is also provided in the preparation and delivery of courtroom testimony.

Lectures: 1 hour per week; lecture/workshops: 2 hours per week; laboratory sessions: 3 hours per week.

Prerequisites: Enrolment in the Graduate Certificate in Forensic Science (Professional Practice)

### **Crime Through the Ages (BRD205)**

Credit Points: 3

MURDOCH: S2-internal

This unit considers interdisciplinary and historical influences on our understanding of crime and how this has impacted our criminal justice system. Students learn that explanations of crime are dependent on many factors, including some entirely independent of crime. It's an interpersonal, social, political, economic and philosophical issue. Crime and history are the underlay through which students learn the interaction of different perspectives and begin to understand those who do not learn from history are doomed to repeat the mistakes of the past.

Lectures: 1 x 1 hour per week; workshops: 1 x 2 hours per week.

Prerequisites: Nil.

### **Criminal Behaviour (CRM203)**

Credit Points: 3

MURDOCH: S1-internal

This unit introduces students to the psychosocial basis of criminal behaviour. The introductory lectures are theoretical in nature and take students through the underpinning rationale associated with this disciplinary perspective of crime. Once the basics have been covered, students are taken through specific examples of criminal behaviour, such as violent crime, sexual crimes against adults, and drug related crime. Each specific topic relates the particular form of criminal behaviour back to psychosocial explanations.

Lectures: 2 hours per week

Online self-test quizzes.

Prerequisites: Nil.

Exclusions: Students who have completed CRM210 Criminal Behaviour may not enrol in this unit for credit.

Students enrolled in the LLB/BA in Criminology combined degree enrol into this unit for credit towards the Criminology major.

### **Criminal Law and Procedure (LLB130)**

Credit Points: 3

MURDOCH: S2-internal

Examines the principles of criminal responsibility in Western Australia (primarily through the interpretation of the Criminal Code (WA)), aspects of the law relating to criminal procedure in Western Australia, and the social context within which criminal law operates. Homicide, nonfatal offences against the person and offences against property are covered. Defences such as mistake, insanity, intoxication, provocation and self defence are examined. Criminal Procedure topics include pre-trial procedures, trial procedures and sentencing.

Lectures: 3 hours per week; tutorials/workshops: up to 10 hours per semester.

Prerequisites: Enrolment in the LLB or Juris Doctor; Students must have successfully completed LAW150/BJU100 Australian Legal System, OR be co-enrolled in BJU100 Australian Legal System.

Exclusions: Students who have completed LAW130 Criminal Law and Procedure may not enrol in this unit for credit.

### **Criminology (CRM304)**

Credit Points: 4

MURDOCH: S2-internal

This unit covers the theoretical explanations of criminal behaviour and its development. Theories from biological, psychological, sociological, legal and economic traditions are reviewed, analysing their strengths and weaknesses.

Lectures: 3 hours per week.

Prerequisites: LEG100 Law, Justice and Social Policy or LEG150 Australian Legal System/LEG150 Introduction to Legal Studies.

Exclusions: LLB or Juris Doctor (pre-2014) students may not enrol in this unit for credit. Students who have enrolled in CRM100 Criminology are excluded from this unit.

Students enrolled in the LLB/BCrim joint degree must take the CRM version of the unit for credit towards their BCrim.

### **Criminology (LAW304)**

Credit Points: 4

MURDOCH: S2-internal

This unit covers the theoretical explanations of criminal behaviour and its development. Theories from psychological, sociological, legal and economic traditions are reviewed, analysing their strengths and weaknesses.

Lectures: 3 hours per week.

Prerequisites: Enrolment in LLB or Juris Doctor (pre-2014).

Exclusions: Students who have completed LAW206/CRM206 Criminology may not enrol in this unit for credit.

Students enrolled in the LLB/BCrim joint degree must enrol in the CRM206 version of the unit. They must not enrol in the LAW206 version of the unit.

### **Criminology Honours Seminar (CRM540)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal, Y-internal

This unit provides students with an opportunity to undertake and present upon a substantial piece of research on an alternative topic to their honours thesis. Students are guided towards the selection of an appropriate topic with class time devoted to an examination of

relevant literature. Students actively take charge of their learning and further refine their skills as critical consumers of academic and empirical literature. Students will present their findings to their peers and members of the faculty.

2 hours per week

Prerequisites: Enrolment in Honours in Criminology.

Exclusions: CRM440 Criminology Honours Seminar

### **Critical and Creative Thinking (PHL131)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

Achieving a high level of critical and creative thinking is one of the most important goals of a university education. This unit aims to enhance the thinking and communication skills that are fundamental to all of your academic studies. Employers in most professions and industries regard these abilities as essential. Effective thinking demands rigorous analysis, imagination and insight. In this unit you will develop and practise these skills and learn how to structure a successful, systematically reasoned essay.

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

### **Critical and Ethical Issues in Communication (MCM501)**

Credit Points: 3

MURDOCH: S1-internal

Media and communication professionals operate in an environment governed by laws, regulations and professional codes of practice. Practitioners need to understand and apply them. They also need to make critical editorial judgements in an ethical way, in context and often under pressure. This unit investigates some key issues that demand understanding, analysis and application of regulations and ethical decision making.

Seminars/workshops: delivered in intensive teaching mode (24 hours contact time), which may include evenings and weekends. Students will complete assignments independently in consultation with teaching staff.

Prerequisites: Nil.

### **Critical Games, Play and Design (GAD232)**

Credit Points: 3

MURDOCH: S2-internal

This unit will critically explore game design and playful digital content production in contemporary culture. Areas of focus will include: games (console, computer, mobile, casual and multiplayer), user-created content and playful media produsage (e.g. Indie game development, modding, web and app development). These practices will be examined from a number of perspectives, including game studies, critical design and new media theory. Students will learn key concepts emerging from these fields, and how to apply them.

Lectures: 1 hour per week; tutorials: 2 hours per week.

Prerequisites: Nil.

Exclusions: Students who successfully completed MCC232 Video Game Studies may not enrol in this unit.

### **Critical Metaphysics (PHL205)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

Metaphysics is the philosophical discipline concerned with the ultimate 'nature' of reality, the ontological status of the components of the real world, and the necessary conditions for knowledge of such things. Our investigations will focus on the metaphysical positions of Descartes, Spinoza, Leibniz, Locke, Hume and Kant. Key issues include: space and time, subject and object, cause and effect, core aspects of the mind, and the relative merits of Rationalist versus Empiricist approaches to these issues.

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed PHL218 Critical Metaphysics cannot enrol in this unit for credit.

### **Critical Perspectives in Early Childhood Education (EDN512)**

Credit Points: 3

MURDOCH: S2-external

This unit offers participants the opportunity to engage critically with early childhood research and theoretical perspectives. Participants will develop a critical framework for planning, implementing and evaluating early childhood education programs for their own practice and/or for extended research programs. Participants will examine and critically reflect on models of the learner and curriculum contexts in early education.

External: No attendance required. On-campus meetings usually available.

Prerequisites: Enrolment in a Graduate qualification or permission of the Unit Coordinator.

### **Critical Policy Analysis and Teachers' Work (EDU658)**

Credit Points: 3

Not available this year

This unit examines the impact of educational policy on the lives and work of teachers and how it affects their choices in the areas of curriculum and pedagogy and their overall sense of ownership of their work. The unit will introduce students to recent developments in critical policy analysis for the purpose of investigating educational policies relevant to their own professional development and interests in schools, tertiary institutions or vocational education and training.

External: no attendance required

Prerequisites: Enrolment in a graduate-level qualification or permission of the Unit Coordinator.

### **Critical Topics in Communication and Media Studies (CMS306)**

Credit Points: 3

Not available this year

This unit is designed as a final year research project for Communication and Media Studies students. The first part of the unit introduces students to a range of critical theories and concepts, as well as research tools and methods that are applicable to the study of communication and media. In the second part of the unit, these theories and tools are applied to a contemporary topic or subject of personal interest to the student via independent research and study.

Prerequisites: Successful completion of 9 points of the major (Communication and Media Studies) at Part II.

### **Cross-Cultural Consumer Behaviour and Neuromarketing (MBS575)**

Credit Points: 3

MURDOCH: AU2-internal

Provides the fundamental skills students need to understand how and why consumers from different countries and cultural backgrounds make decisions regarding the goods and services they purchase. A global economy will be affected by consumer behaviour culture, lifestyle and group behaviours. Neuromarketing research will be integrated with consumer psychology to add understanding of how brain structures influence consumer identity and commercial preferences. Research case studies will demonstrate relationships between consumer decisions and behaviours and biology, social environment and cognition.

Lectures/seminar style of workshop for 7 weeks and one weekend block mode delivery workshop.

Self-directed and guided research regarding consumer learning experiences in selected cultural environments around the globe.

Prerequisites: Nil.

### **Cultural and Linguistic Diversity in the Classroom (EDN404)**

Credit Points: 4

Not available this year

Classrooms today are characterised by cultural and linguistic diversity. Such diversity impacts how teaching is enacted and how learning is constructed and undertaken. The classroom is an intercultural site and, as such, requires the use of specific skills, knowledges and actions to negotiate, support and accommodate difference. This unit explores these areas and provides specific examples of how language and culture impact learning and teaching.

Online, no attendance required.

Prerequisites: Enrolment in a Graduate qualification or permission of the Unit Coordinator.

### **Cultural and Linguistic Diversity in the Classroom (EDN405)**

*As for EDN404 except:*

Credit Points: 3

Not available this year

Prerequisites: Enrolment in an initial teacher education course.

### **Cultural and Media Policy (MCC337)**

Credit Points: 4

MURDOCH: S1-internal, S1-external  
KAPLAN-SGP: TJA-internal, TSA-internal  
SGP1: TJB-internal, TSB-internal

This unit focuses on media and arts policy-making in Australia and its global context. It considers the political, social and cultural factors which have been instrumental in shaping policies in these areas with particular emphasis on government subsidy vs. commercial patronage.

Lectures: 1 hour per week; tutorials: 1.5 hour per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed COM337

Cultural and Media Policy may not enrol in this unit for credit.

### **Cultural Diversity in Learning and Working (EDU646)**

Credit Points: 4

DUBAI-ISC: TJD-internal

Seminars/workshops: 8 x 3 hours each spaced through the semester, delivered after 4.30pm. Students will complete research assignments independently, in consultation with teaching staff.

Prerequisites: Enrolment in a Graduate qualification or permission of the Unit Coordinator.

### **Cultural Tourism Interpretation (TOU230)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

Interpretation and representation through different 'voices' is a focus of this study. The concepts of authenticity and construction of place in tourism are examined. Heritage, history and tradition, religion, the arts (music, dance, festivals, sculpture, painting, handicrafts, gastronomy), special events, and museum activities as well as cross cultural situations are included in the discussion of cultural tourism.

Lectures/seminars: up to 2.5 hours per week.

Prerequisites: Nil.

### **Culture and Religion in Asia (AST252)**

Credit Points: 4

Not available this year

This unit is an introduction to the major religions of Asia including Hinduism, Islam, Buddhism and Christianity, from a sociological and cultural perspective. It concentrates on the dynamic relationship between cultures and religions in contemporary Asia. It also examines the relevance of religion to everyday life of the countries in the region including issues such as politics and terrorism.

Lectures: 2 hours per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

### **Culture and Religion in Asia (AST352)**

*As for AST252 except:*

Credit Points: 3

Not available this year

### **Culture, Communities and Sustainability in Asia (AST650)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

Asia is a region of extraordinary diversity and rapid change. This unit combines approaches from anthropology, sociology and ecology to explore the relationship between culture and sustainability for communities in the Asian region. The effects of globalisation, development and conservation policies will be considered with special attention to indigenous minorities and rural societies. The impacts of changing cultural values and social relations through the green revolution, population pressure, urbanisation, industrialisation, deforestation, overfishing and tourism will be addressed.

Workshops: 1 x 3 hours per week; on-line lectures and discussion



forum.

Prerequisites: Enrolment in a graduate-level (AQF level 8 or AQF level 9) course.

If not enrolled in a graduate-level (AQF level 8 or AQF level 9) course, then permission of the Unit Coordinator is required.

### **Curriculum Development for Practitioners (EDN588)**

Credit Points: 3

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

This unit deals with curriculum development from the point of view of the person developing, modifying or improving a teaching-learning program. It is of value not just to professional classroom teachers, but to anyone involved in the practicalities of education and training in an educational institution, a corporation or public service organisation. The unit content covers the basic processes of curriculum development (i.e. design, production, implementation and evaluation) at the local level and also examines wider curriculum issues.

Workshops: 2.5 hours

Prerequisites: Enrolment in a Graduate qualification or permission of the Unit Coordinator.

Exclusions: Students who have successfully completed EDU488/688 Curriculum Development may not enrol in this unit for credit

### **Curriculum Development for Practitioners (EDU688)**

*As for EDN588 except:*

Credit Points: 4

DUBAI-ISC: TJD-internal

Workshops: 2.5 hours per week.

Prerequisites: For the 600-level version, enrolment in a graduate-level course or permission of the Unit Coordinator. Those enrolled in other courses should contact the Unit Coordinator.

Exclusions: Students who have successfully completed EDU488/688 Curriculum Development may not enrol in this unit for credit.

### **Cyber Forensics (ICT248)**

Credit Points: 4

KAPLAN-SGP: TJA-internal, TMA-internal  
SGP1: TMB-internal

Principles of cyber forensics: identification and recovery of digital evidence from computers. This evidence is used in examinations by law enforcement and other investigative bodies, legal and accounting professions, and information managers. Focus: vulnerabilities of information management systems; identification, recovery, analysis and presentation of digital evidence; and trends in cyber forensics. Introduction to the processes of basic evidence identification, recovery and analysis through forensic examination project. Students analyse a cyber crime and report on the evidence.

Lectures/workshops: 1 x 2 hours per week.

Possibility of guest lectures from industry practitioners.

Prerequisites: ICT102 Introduction to Computer Science OR ICT105 Introduction to Information Technology OR ICT107 Principles of Information Systems OR ICT108 Introduction to the Internet and Multimedia OR ICT159 Foundations of Programming.

Exclusions: Students who completed ICT228 Special Topics in Information Technology: Cyber-Forensics may not enrol in this unit for credit.

### **Cyber Forensics and Information Technology (ICT378)**

Credit Points: 3

Not available this year

This unit combines three separate disciplines: technology, law and forensic analysis that combined form the paradigm of cyber forensics. The unit offers an insight into the cyber forensic environment and looks at the preservation, location, selection, validation, and presentation stages of cyber forensic examination. Students undertake theoretical study as well as analysis of a crime scene simulation to combine theoretical and experiential knowledge.

Lectures: 1 x 2 hours per week; tutorials: 1 x 2 hours per week.

Prerequisites: ICT171 Introduction to Server Environments and Architecture.

Exclusions: ICT248 Cyber Forensics

### **Data Resources Management (ICT616)**

Credit Points: 3

MURDOCH: S2-internal

This unit looks at the information available in corporate databases as a significant strategic resource. It focuses on those issues involved in managing and strategically exploiting data, including discovery of trends and patterns and new knowledge creation. Topics include: the nature of the data resource and the intelligent enterprise; data distribution and architectures; data administration; planning, design, and exploitation of the data resource; knowledge management, and issues of data ownership and security.

Lectures/workshops: 1 x 3 hours per week.

Prerequisites: Enrolment in a graduate-level IT course.

### **Data Structures and Abstractions (ICT209)**

Credit Points: 4

DUBAI-ISC: TJD-internal, TMD-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

This unit introduces Abstract Data Structures (ADS) and the algorithms that operate upon them. ADS such as arrays, lists, two-dimensional structures, trees and graphs are studied along with various representations. ADS that utilise these structures are also covered. Complexity analysis is used throughout the unit. The programming language currently used in this unit is C++.

Lectures: 2 hours per week; tutorials: 2 hours per week; plus optional clinics.

Prerequisites: ICT167 Principles of Computer Science OR ICT104 Principles of Computer Science.

### **Data Structures and Abstractions (ICT283)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit introduces Abstract Data Structures (ADS) and the algorithms that operate upon them. ADS such as arrays, lists, two-dimensional structures, trees and graphs are studied along with various representations. ADS that utilise these structures are also covered. Complexity analysis is used throughout the unit. The programming language currently used in this unit is C++.

Lectures: 1 x 2 hours per week plus optional clinics; laboratories: 1 x 2 hours per week.

Prerequisites: ICT167 Principles of Computer Science.

Exclusions: Students who have successfully completed ICT209 Data

Structures and Abstractions cannot enrol in this unit for credit.

### Databases (ICT218)

Credit Points: 4

DUBAI-ISC: TMD-internal, TSD-internal  
KAPLAN-SGP: TMA-internal, TSA-internal  
SGP1: TSB-internal

This unit provides an introduction to database design, implementation and management. Topics: data modelling, the relational model, SQL, logical and physical database design, database application design, transaction management, concurrency, recovery, security, database architectures and database administration. The theory material is complemented by practical work using common database management systems.

Lectures: 2 hours per week; tutorials: 1 hour per week; plus an optional clinic.

Prerequisites: ICT102 Introduction to Computer Science or ICT159 Foundations of Programming.

### Databases (ICT285)

*As for ICT218 except:*

Credit Points: 3

MURDOCH: S2-internal, S2-external

Lectures: 1 x 2 hours per week; computer laboratories: 1 hour per week; optional clinics: 1 hour per week.

Prerequisites: ICT102 Introduction to Computer Science or ICT159 Foundations of Programming or ICT170 Foundations of Computer Systems.

Exclusions: Students who have successfully completed ICT218 Databases cannot enrol in this unit for credit.

### Dealing with Difference (BRD207)

Credit Points: 3

MURDOCH: S2-internal

This unit explores how we deal with different viewpoints - from different and divergent facts and opinions to different and diverse people. Dealing with the differences amongst us is a fundamental problem for society - critical social conflicts are shaped by discourses of sameness and difference around dominant norms. By examining the variety of ways that differences are conceptualised and managed across the disciplines, and in various contexts, we gain an opportunity to rethink 'the very sea of differences' that surround us.

Lectures: 1 hour per week; tutorials: 2 hours per week.

Prerequisites: Nil.

### Death and the Afterlife in Ancient Egypt and Mesopotamia (REL203)

Credit Points: 3

MURDOCH: S2-internal, S2-external

Beliefs about death and the afterlife function in human societies as mechanisms for defining cultural understandings of the meaning of human existence. In ancient Egypt and Mesopotamia, fundamentally different beliefs about these matters resulted in dramatically different rituals (elaborate tombs and mummification versus simple burials in the ground) and indicate very different attitudes toward the significance and meaning of human life. This unit will examine the beliefs and practices surrounding death from these ancient cultures.

Lectures: 1 hour; tutorials: 1 hour.

Prerequisites: Nil.

### Decision Making in Clinical Imaging (CHI586)

Credit Points: 2

MURDOCH: T1-internal

This unit provides an opportunity for students to practically apply their current training in clinical imaging -- modality selection, interpretation, report writing and application of outcomes to the clinical situation -- through the use of clinical decision making models. By utilising case-based scenarios the student will be introduced to a wide spectrum of available diagnostic imaging modalities and will be encouraged to expand his or her understanding of applications for clinical imaging in preparation for clinical practice.

Lectures: 2 hours per week; laboratories/rounds: 2 hours per week.

Prerequisites: Enrolment in BSc/BChiropractic and the successful completion of Years 1 to 4 OR by special application to the Unit Coordinator.

### Decision Neuroscience Neuromarketing (MBS690)

Credit Points: 3

Not available this year

Covers general aspects of cognitive neuroscience focusing on how brain processes can explain decision-making choices. Explores systematically how emotions influence consumer decisions; how somatosensory brain systems affect our preferences and economic choices; how imagination influences our product and service perceptions. How memory processes encode information, and how logical sequential information can influence certain purchasing decisions. Branding and self image is investigated to understand how the brain organises self identity and congruence with material and social achievements.

Lectures and tutorial workshops: 3 hours per week.

Some practical experience of biometric research tools including a whole workshop at the Audience Labs practising with a number of biometric and neuroscientific research methods of acquiring research data. Occasional guest speakers bring a range of portable neuroscientific tools for demonstration.

Prerequisites: Nil.

This unit is subject to quota. Quota is due to limited laboratory space. No admission requirements; students will be accepted until the quota is full.

### Democracy and Political Change (POL257)

Credit Points: 4

MURDOCH: S2-internal, S2-external

Historically, capitalism and democracy went hand in hand in Europe and North America. Expectations of a similar occurrence in Asia have risen due to socio-economic transformations, but what has transpired? Now in the Middle East there are pressures for regime change under rather different economic circumstances. What then are the connections between economic development and democracy? Do markets require democracy, or are capitalists more disposed to authoritarianism? What are the social forces pushing for more political freedoms?

Up to 3 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed POL257 Authoritarianism and Democracy may not enrol in this unit for

credit.

### Derivative Securities (BUS325)

Credit Points: 4

MURDOCH: S2-internal, S2-external  
DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TJA-internal, TSA-internal  
SGP1: TJB-internal, TSB-internal

This unit is designed to provide students with: a detailed understanding of the features and uses of the major derivative instruments; an understanding of how the major derivative instruments are valued and an introduction to the features of exotic derivative instruments. Alternatives to the Black-Scholes models, credit risk derivatives and advanced models in interest rate derivatives will also be examined. Work will be highly theoretical and mathematical, and a high standard is expected.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: BUS244 Treasury Management or BUS288 Treasury Management

### Derivative Securities (BUS333)

*As for BUS325 except:*

Credit Points: 3

Not available this year

Prerequisites: BUS244/ BUS288 Treasury Management

Exclusions: Students who have completed BUS325 Derivative Securities may not enrol in this unit for credit.

### Dermatology (VET628)

Credit Points: 3

Not available this year

This unit aims to assist clinicians develop diagnostic skills in veterinary dermatology using a practical, problem-oriented approach and provides updates on therapeutic developments for common skin problems. The unit presents different perspectives on the diagnosis of conditions such as chronic pruritus, refractory eosinophilic granuloma and recurrent bacterial pyoderma, and offers a review of management options of common skin conditions such as atopic dermatitis, dermatophytosis, and eosinophilic granuloma complex. Case-based learning using images, cytology and histopathology supplements comprehensive notes.

External.

Prerequisites: Enrolment in Master of Veterinary Studies (Small Animal Practice) (M1022), the Graduate Certificate in Veterinary Studies in Small Animal Practice (C1074), the Master of Veterinary Clinical Studies (M1223), the Doctor of Veterinary Medical Science (D1061) or permission of the Academic Chair.

### Design Concepts in Engineering (BEN150)

Credit Points: 3

MURDOCH: S1-internal

Topics covered in this unit will include engineering design, sustainability, climate change, ethics, social justice and engineers' engagement with the community. The material will be delivered using historical episodes to illustrate concepts such as response to needs, learning from the mistakes of others, unintended consequences, and the relative merits of soft and hard path technologies. Case studies will be used to illustrate current practices by organisations that address the need to engage local communities in large scale engineering projects.

Lectures: 1 x 2 hours per week; workshops: 1 x 2 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed ENG141 Design Concepts in Science and Engineering may not enrol in this unit for credit.

### Design Project (ENG550)

Credit Points: 3

MURDOCH: S1-internal, S2-internal, SUM-internal

This unit involves the complete design and implementation of a substantial project of industrial relevance. It is designed to make use of all of the skills and understanding of the student from previous studies and this course.

By arrangement with Supervisor.

Prerequisites: Completion of at least 12 credit points in the Master of Engineering or Graduate Diploma in Engineering.

### Designing Early Childhood Learning Environments (EDN538)

Credit Points: 3

Not available this year

This unit examines how the design of indoor and outdoor experiences and environments can support early years' learning (children aged birth - eight years). Case studies focused on the professional skills and knowledge necessary for the provision of safe, nurturing and inclusive environments are reviewed. Administrative and legislative requirements of workplace practice are examined.

To complete Assignment 2 students will need to locate an early years Long Day-Care Centre to undertake fieldwork. To complete Assignment 3 students will need to participate in an online group assignment. Details are provided in the Unit Information and Learning Guide which will be available online at the commencement of the semester.

Prerequisites: Enrolment in a Graduate qualification or permission of the Unit Coordinator.

Students must have two current mandatory checks on record in the Murdoch University School of Education Professional Experience Office prior to commencement of this placement: Department of Education National Police History Check and a WA Working with Children Check. Refer to the School of Education Professional Experience website for details:

<http://www.murdoch.edu.au/School-of-Education/Professional-Experience/Checks-and-clearances/>

Students must submit a Placement Form to the School of Education Professional Experience Office by the due date. A Placement Form activates the placement process and guarantees a school placement. Placement details will be available on SONIA (the School of Education placement database) at <https://myplacement.murdoch.edu.au/SoniaOnline>

### Destination Management (TOU303)

Credit Points: 4

MURDOCH: S2-internal  
KAPLAN-SGP: TJA-internal, TSA-internal  
SGP1: TJB-internal, TSB-internal

This unit examines the management of the tourism system with a focus on 'destinations'. It can include, for example, trends and globalisation, business development (addressing design, planning marketing, litigation issues), destination management (including strategic planning) and sectorial management trends and issues (including tour operations, the travel sector, accommodation sector

and attractions). Project management may be used to guide study of this unit in the context of group projects.

Lectures/workshops: up to 3 hours per week.

Prerequisites: TOUT101 Introduction to Tourism Systems or TOUT102 Introduction to Travel and Tourism; TOUT201 Sustainable Tourism and completion of at least 20 points of Part II level units. Highly recommended: BUS145 Principles of Management.

### **Destination Management (TOUT323)**

*As for TOUT303 except:*

Credit Points: 3

Not available this year

### **Developing Research Capacities for Educators (EDU602)**

Credit Points: 6

MURDOCH: S2-internal, S2-external

This unit develops specific competencies that enable students to effectively design and implement a research project, and analyse and interpret data. Skills will be developed through intensive workshops. Methods, methodologies and theoretical sensitivity will be conjointly developed as preparation towards a research proposal. Students will complete a core design and analysis stream and in consultation with their supervisors, choose modules that scaffold the further development of effective research capacities thereby strengthening them as effective producers of knowledge.

Normally, three hour on-campus sessions on a weekly basis during teaching period.

Prerequisites: Successful completion of EDU610 - Introduction to Research for Educators plus enrolment in the Doctor of Education, Master of Philosophy, the Master of Education (Research), Master of Education (Coursework), Masters by Research with Training, or permission of the Academic Chair.

### **Developing Research Skills and Methods (BAR200)**

Credit Points: 3

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Choosing the right research method can be bewildering. How do we know which methodology is appropriate and whether the combination of research methods is suitable for the theoretical perspective we will employ? Through the exploration of a set of common themes or topics, this unit will expose you to core research methods employed across disciplines in the Bachelor of Arts. BAR200 Developing Research Skills builds on the academic skills developed in BAR100 Academic Learning Skills.

Lectures: 1 hour per week (for entire semester); workshops: 1 x 1.5 hours per week from week 3 onwards.

A compulsory Conference Day for presenting Research Posters. External students who are unable to attend the Conference Day will present their posters online.

Prerequisites: BAR100 Academic Learning Skills or BJU100 Australian Legal System; or enrolment in B1328 Bachelor of Education/Bachelor of Arts and BED100 Ideas in Action.

### **Development and Change (SWM631)**

Credit Points: 3

MURDOCH: S2-internal

This unit explores different approaches to 'how change happens' and power analysis, and how these can be applied in practice. It examines the interplay of actors and structures in development with

the objective of identifying elements of successful practice and social change. Students will consider a range of issues related to instituting change in practice, including: the conditions for successful advocacy; networking and mobilisation; the politics of partnership, leadership and the role of active citizens; and the negotiation of power.

Seminars and workshops are delivered in intensive teaching mode (24 hours contact time), which may include evenings and weekends. Students will then complete research assignments independently, in consultation with teaching staff.

Prerequisites: Enrolment in Master of Development Studies, Master of Public Policy and Management or Master of International Affairs.

Exclusions: Students who have successfully completed SSH631 Development in Practice may not enrol in this unit for credit.

### **Development and Sustainability (SWM628)**

Credit Points: 3

MURDOCH: S2-internal

This unit explores various innovative approaches to more equitable ways of distributing resources for poverty reduction and sustainable development. Case studies will be drawn from Africa, Latin America and Asia Pacific regions to critically reflect on emerging practice in the design and implementation of strategies. These will provide important insights into different sustainable development measures, their scope with regard to various sectors and national priorities, and institutional barriers, risks and implementation costs as well as environmental, social and economic benefits.

Seminars and workshops are delivered in intensive teaching mode (24 hours contact time), which may include evenings and weekends. Students will then complete research assignments independently, in consultation with teaching staff.

Prerequisites: Enrolment in Master of Development Studies, Master of Public Policy and Management or Master of International Affairs.

Exclusions: Students who have successfully completed SSH628 Development and Sustainability may not enrol in this unit for credit.

### **Diagnosis and Chiropractic Skills (CHI302)**

Credit Points: 4

MURDOCH: S1-internal

Focuses on the diagnosis of neuromusculoskeletal conditions associated with, but not limited to the spine and pelvis. Students will develop their motion palpation skills, soft tissue management techniques, manipulation and mobilisation skills of the spine and pelvis. Clinical problem solving and critically thinking regarding the use of manual therapies will be developed. Aspects of physical diagnosis, scientific method of critical appraisal, evidence-based practice, problem solving, and effective patient communication will be addressed.

Lectures/workshops: 4 hours per week; practicals: 4 hours per week.

Prerequisites: Enrolment in BSc/BChiro and successful completion of CHI282 Human Anatomy II, CHI209 Biomechanics and Diagnostic Palpation Skills, and CHI283 Physical Examination.

### **Diagnosis I (CHI335)**

Credit Points: 3

Not available this year

**Diagnosis II (CHI336)**

Credit Points: 3

Not available this year

**Diagnosis III (CHI337)**

Credit Points: 3

Not available this year

**Different Englishes and Interpretations of Language, Culture and Identity (EDU604)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit explores issues that have particular significance in a world where there are more speakers of English as a second or additional language than there are speakers of English as a first language. The unit examines how the emergence of different Englishes both impacts and reflects language, culture and identity. It views 'Englishes' within the context of interglobal connectedness. Questions around whose English, what English and why English are examined critically.

Internal: workshops: 1 x 3 hours per week.

External: No attendance required.

Prerequisites: Enrolment in a graduate-level qualification or permission of the Unit Coordinator.

Exclusions: Student who have successfully completed EDU404 Different Englishes and Interpretations of Language, Culture and Identity may not enrol in the unit for credit.

**Different Englishes and Interpretations of Language, Culture and Identity (EDU619)***As for EDU604 except:*

Credit Points: 4

DUBAI-ISC: TSD-internal

Internal: workshops: 1 x 3 hours per week.

External: No attendance required.

Prerequisites: Enrolment in a graduate-level qualification or permission of the Unit Coordinator.

Exclusions: Students who have successfully completed EDU404/EDU604 Different Englishes and Interpretations of Language, Culture and Identity may not enrol in this unit for credit

**Differential Diagnosis (CHI456)**

Credit Points: 3

Not available this year

**Digital Business (BUS305)**

Credit Points: 4

MURDOCH: S1-internal, S1-external

SGP1: TJB-internal, TSB-internal

This unit takes a hands-on approach to the growing body of Internet tools. An overview of today's digital environment for business and society, and the ongoing role of web sites and email marketing, set the stage for investigating, experiencing and questioning new business tools. Search Engine Marketing and Search Engine Optimisation drive website traffic but these tools cost time and money. Similarly, mobile phones and social media such as Facebook, Twitter and YouTube merit investigation as business tools.

Lectures/workshops: 3 hours per week.

Prerequisites: BUS169 Principles of Marketing.

Exclusions: MBS667 Digital Business.

**Digital Business (MBS667)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit equips students with hands-on website development skills and an appreciation of the digital marketplace. Students will demonstrate financial and market justification for a digital marketplace presence. The unit centres on business websites but includes discussion on the social marketing, location marketing and telematics fields. Ethical issues including culture and permission marketing are also addressed. Programming experience is not necessary but students without prior knowledge of business and marketing and an understanding of advertising will find this unit challenging.

Lectures/seminars/workshops: 3 hours per week.

Prerequisites: Enrolment in a graduate-level course.

Exclusions: BUS305 Digital Business

**Digital Imaging (PHO101)**

Credit Points: 3

MURDOCH: S2-internal (quota of 70 places)

In this studio workshop the student is introduced to the basic concepts of digital imaging processes. The emphasis is on the integration of digital technologies into photographic practices. The subject opens up for consideration practices for extending image production and visualisation. The student is introduced to the practice and methods of production of photographers who utilise a variety of digital technologies in their work. This course provides students with a foundation understanding of digital photo processes and techniques.

Lectures: 1 hour; workshops: 1.5 hours.

Prerequisites: Nil.

This unit is subject to quota. Quota is due to limited laboratory space. Preference is given to students enrolled in a Photography major.

**Digital Painting (GAD374)**

Credit Points: 3

Not available this year

This unit teaches the techniques and theory of digital painting, focusing on practical application of software tools, and demonstrable skills in digital art production. The unit draws on existing knowledge of artistic core concepts and theory, and extends design knowledge as it applies to painting with a digital canvas.

Online lectures: 1 hour; laboratories: 3 hours

Prerequisites: Successful completion of MCC172 Drawing

**Digital Video (MCC340)**

Credit Points: 4

KAPLAN-SGP: TSA-internal

This unit embraces the shift to online video distribution and focuses on theory and practice in this area. Activities and areas of study include mash-ups and remixing, viral video and online marketing with video, software and interface theory, medium theory,

remediation, copyright and digital rights management issues, image quality and compression, spatial montage, and more. Students completing this unit will arm themselves with skills and knowledge to create and distribute in the vocation of online screen production.

Lectures: 1 hour per week; workshops/laboratories: 2 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed MED240 Digital Studio or MCC340 Digital Studio may not enrol in this unit for credit.

### Discrete Time Systems (ENG294)

Credit Points: 3

MURDOCH: S2-internal

This unit provides the foundations in discrete time systems with one of the major outcomes being the understanding and implementation of a computer-based control system. Topics include: fundamentals of control systems; analog and digital I/O; sampled data systems, discrete time tools, dynamic analysis, digital filters, feedback control, digital controllers, discrete Fourier transforms. Simulink, Matlab and LabVIEW are used extensively in problem solving, simulations, analysis and to perform computer based measurement and control.

Lectures: 1 x 2 hours per week; computer workshop: 1 x 2 hours per week; laboratories: 1 x 2 hours per week.

Prerequisites: PEC152/PEN152 Principles of Physics; MAS161 Calculus and Matrix Algebra or co-requisite MAS208 Mathematical Modelling; ENG109 Computing for Scientists and Engineers; ENG192 Energy, Mass and Flow; ENG297 Circuit and Systems II or co-requisite ENG207 Principles of Electronics Instrumentation. Recommended co-requisite: ENG299 Control Systems and Process Dynamics.

### Dispute Management (MBL518)

Credit Points: 3

MURDOCH: S1-internal, S1-external

Negotiation, mediation, conciliation and arbitration are all tools used to resolve business disputes. Styles, strategies, skills and processes will be investigated along with the practice and the law relating to these common forms of dispute management.

Seminars: 3 hours per week

Prerequisites: Enrolment in a Graduate course.

Exclusions: Students who have completed MBS618 Dispute Management may not enrol in this unit for credit.

### Dispute Management (MBS618)

Credit Points: 4

KAPLAN-SGP: TMA-internal  
SGP1: TSQ-internal

Negotiation, mediation, conciliation and arbitration are all tools used to resolve business disputes. Styles, strategies, skills and processes will be investigated along with the practice and the law relating to these common forms of dispute management.

Lectures/seminars/workshops: 3 hours per week.

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students who have successfully completed MBL618 Dispute Management may not enrol in this unit for credit.

### Dispute Resolution (LAW321)

Credit Points: 4

MURDOCH: S1-internal (closed as the offering has reached capacity)

This unit will explore the variety of methods that may be adopted to resolve conflicts other than by way of binding third party intervention, including bargaining, conciliation, mediation, arbitration, and hybrid forms of court processes. Other focuses of discussion will be commercial arbitration and informal community-based resolution of disputes. It will also introduce students to the skills required for participation in these processes through role playing, feedback and reflection.

Lectures/workshops: 3 hours per week.

Prerequisites: Successful completion of BJU100/LAW150 Australian Legal System, LLB152 Torts, LLB130 Criminal Law and Procedure, and LLB120 Legal Writing for Lawyers.

Exclusions: Students who have successfully completed L321 Dispute Resolution or L367 Alternate Dispute Resolution may not enrol in this unit for credit. LLB or Juris Doctor (pre-2014) students may not enrol in the lower-level version for credit.

Students taking the unit at the advanced level will be required to demonstrate an ability to work on topics that require more independent thinking and advanced research or analytical skills.

### Dispute Resolution (LEG321)

*As for LAW321 except:*

Credit Points: 4

MURDOCH: S1-internal (closed as the offering has reached capacity)

Lectures and workshops: 3 hours per week.

Prerequisites: Enrolment in B1020 Bachelor of Legal Studies and successful completion of LEG150 Introduction to Legal Studies, LEG100 Law, Justice and Social Policy, LEG120 Legal Research, LEG153 Introduction to Administrative Law or LEG253 Power, Government and Legal Accountability and a Foundation OR Transition unit; OR Enrolment in B1003 Business Law (BCom) and successful completion of LEG150 Introduction to Legal Studies, BUS170 Foundations of Accounting, BUS145 Principles of Management, BSL165 Foundations of Business Law, and a Foundation or Transition unit.

Exclusions: Students who have successfully completed L321 Dispute Resolution or L367 Alternate Dispute Resolution may not enrol in this unit for credit. LLB or Juris Doctor students may not enrol in the lower-level version for credit.

Students taking the unit at the advanced level will be required to demonstrate an ability to work on topics that require more independent thinking and advanced research or analytical skills.

### Dispute Resolution (LEG391)

*As for LAW321 except:*

Credit Points: 3

Not available this year

Prerequisites: LEG100 Law, Justice and Social Policy or LEG150/BUS150 Australian Legal System or permission of the Unit Coordinator and Academic Chair.

Exclusions: Students who have successfully completed LAW321/LEG321/LEG221/L321 Dispute Resolution or L367 Alternate Dispute Resolution may not enrol in this unit for credit.

**Dispute Resolution (LLB391)**

*As for LAW321 except:*

Credit Points: 3

Not available this year

Prerequisites: LEG100 Law, Justice and Social Policy or LEG150/BUS150 Australian Legal System or permission of the Unit Coordinator and Academic Chair.

Exclusions: Students who have successfully completed LAW321/LEG321/LEG221/L321 Dispute Resolution or L367 Alternate Dispute Resolution may not enrol in this unit for credit.

**Dissertation (Research Project) (CHI675)**

Credit Points: 12

Not available this year

This unit will allow students to gain specific research knowledge requiring a high level of research skill and quality including a literature search, design of a research study, implementation of the study, analysis of the data results and writing the manuscript in preparation for publication.

External: No attendance required.

Prerequisites: Completion of Chiropractic Degree or equivalent. Enrolment in the Masters program including completion of 24 points of graduate work such as the Postgraduate Certificate/Diploma in Neuromusculoskeletal Rehabilitation or the Postgraduate Diploma in Sports Chiropractic, or their equivalents. Completion of CHI677 Research Methods and Epidemiology is required before enrolling in this unit, or by special application to the Unit Coordinator.

Students cannot self-enrol in this unit.

**Doctor of Business Administration Thesis (MBS700)**

Credit Points: 12

MURDOCH: S1-internal, S2-internal

Students should enrol in this unit for the thesis component of their DBA. Students will be required to identify their research problem, conduct a literature review, develop a conceptual framework and research methodology for their thesis. Students will then be required to undertake the proposed research project and present their findings in a thesis. Students should re-enrol in this unit until they finalise their research and submit the completed thesis (48 points).

Regular meetings will be scheduled with supervisors.

Prerequisites: Enrolment in Doctor of Business Administration.

Students cannot self-enrol in this unit.

**Doctor of Information Technology Thesis (ICT702)**

Credit Points: 12

MURDOCH: R1-internal, R1-external, R2-internal, R2-external, RAU-internal, RAU-external, RSP-internal, RSP-external, S1-internal, S1-external, S2-internal, S2-external

Students should enrol in this unit for the thesis component of their DIT. Students will identify their research problem, conduct a literature review and plan the research. The proposed project will then be undertaken and findings presented in a thesis. The thesis will be examined in accordance with the requirements for professional doctorates. Full-time students should enrol for 12 points each semester and part-time students for 6 points each semester until submission of the thesis.

Meetings with Supervisor: up to 1 hour per week.

Prerequisites: Enrolment in the Doctor of Information Technology; ICT650 Information Technology Research Methods or ICT615 Information Technology Research Methods..

**Doctor of Psychology (Clinical): Practicum I (PSY703)**

Credit Points: 6

MURDOCH: S1-placement, S2-placement, SUM-placement, Y-placement

Students must complete practical placements in appropriate agencies and organisations. They will be advised to select placements that meet APAC and Registration Board requirements. Students will also attend seminars on professional, practical and methodological issues.

Practical placements: 90 days total; seminars/workshops: as scheduled throughout the year.

Prerequisites: Enrolment in the Doctor of Psychology in Clinical Psychology; completion with an average of distinction in the Master of Applied Psychology in Clinical Psychology Year 1 required units or equivalent; Provisional Registration as a Psychologist with Psychology Board of Australia.

A result of Ungraded Pass or Fail is awarded for this unit.

**Doctor of Psychology (Clinical): Practicum II (PSY704)**

Credit Points: 6

MURDOCH: S1-placement, S2-placement, SUM-placement, Y-placement

Students must complete practical placements in appropriate agencies and organisations. They will be advised to select placements that meet APAC and Registration Board requirements. Students will also attend seminars on professional, practical and methodological issues.

Practical placements: 67 days total; seminars/workshops: as scheduled throughout the year.

Prerequisites: PSY703 Doctor of Psychology (Clinical): Practicum I; enrolment in the Clinical Stream of the Doctor of Psychology; Provisional Registration as a Psychologist with Psychology Board of Australia.

A result of Ungraded Pass or Fail is awarded for this unit.

**Doctor of Psychology (Organisational): Practicum I (PSY701)**

Credit Points: 6

MURDOCH: S1-placement, S2-placement, Y-placement

Students must complete practical placements in agencies and organisations appropriate to the organisational psychology specialisation. Students will be advised to select placements that will meet APAC and Registration Board requirements. Students will also attend seminars on professional, practical and methodological issues.

Practical placements: 120 days total; seminars: fortnightly.

This is a practicum unit supplemented with fortnightly seminar classes on campus, which allow students to interact with peers and receive guidance and additional supervision from University staff.

Prerequisites: Enrolment in DPsych (Organisational Stream only).

A result of Ungraded Pass or Fail is awarded for this unit.

### Doctor of Psychology (Organisational): Practicum II (PSY702)

Credit Points: 6

MURDOCH: S1-placement, S2-placement, SUM-placement, Y-placement

Students must complete practical placements in agencies and organisations appropriate to the organisational psychology specialisation. Students will be advised to select placements that will meet APAC and Registration Board requirements. Students will also attend seminars on professional, practical and methodological issues.

Practical placements: 67 days total; seminars: fortnightly.

This is a practicum unit supplemented with fortnightly seminar classes on campus, which allow students to interact with peers and receive guidance and additional supervision from University staff.

Prerequisites: PSY701 Doctor of Psychology (Organisational); Practicum I; Provisional Registration as a Psychologist with Psychology Board of Australia.

A result of Ungraded Pass or Fail is awarded for this unit.

### Doctor of Psychology Thesis (PSY700)

Credit Points: 48

MURDOCH: S1-internal, S2-internal, SUM-internal, Y-internal

An innovative and systematic investigation of an applied psychological problem, conducted usually in an applied setting, is required. A thesis supervisor will be appointed for each candidate from the University lecturing staff in Psychology. The thesis must be presented for examination in accordance with University requirements for Professional Doctorate.

It is a course requirement for students enrolled in the Organisational stream to attend a series of seminars on research methodology.

Students will meet regularly with a minimum of two supervisors and every 6 months with an Advisory Panel (comprised of the supervisors and an Advisory Panel Chair, appointed at the commencement of candidature in the doctoral program).

Prerequisites: Enrolment in DPsych; completion with distinction of MAppPsych Year 1 required units or equivalent.

Students cannot self-enrol in this unit.

A result of Ungraded Pass or Fail is awarded for this unit.

### Doctor of Veterinary Medical Science Thesis (VET770)

Credit Points: 48

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

An applied, systematic examination of a problem, disease, condition of veterinary relevance. A principal supervisor is appointed from University academic staff; up to two additional supervisors may be appointed. The thesis is examined in accordance with the requirements for professional doctorates. Full-time students should enrol for 12 points for four semesters until submission of the thesis. Part-time students will enrol for 6 points each semester until 48 points are accumulated.

2 hours per week.

Prerequisites: Enrolment in Doctor of Veterinary Medical Science.

### Documentary (MCC333)

Credit Points: 4

DUBAI-ISC: TMD-internal  
KAPLAN-SGP: TMA-internal  
SGP1: TMB-internal

This unit introduces students to the main issues and debates in the study of documentary film from the perspective of history, genre, theory and ethics, as well as its social and cultural functions. The unit shows how documentary techniques influence the way we organise knowledge about the world, and the way we represent ourselves and others. The unit will also have a production component where students will have the option to make a 10-minute documentary from 'found' material.

Lectures: 1 hour per week; screenings: 2 hours per week; tutorials: 1.5 hours per week.

Note: Lectures and tutorials for this unit commence in Week 1 of the semester.

Prerequisites: MCC116 Introduction to the Screen (or MED116 Introduction to Screen and Sound Studies or MED116 Introduction to Screen Studies).

Exclusions: Students who have successfully completed MED333 Documentary may not enrol in this unit for credit.

### Documentary (SCR300)

Credit Points: 3

MURDOCH: S1-internal

This unit introduces students to the main issues and debates in the study of documentary film from the perspective of history, modes, genre, theory and ethics, also its social and cultural functions. Shows how documentary techniques influence the way we organise knowledge about the world, and the way we represent ourselves and others. Though the unit is essentially theory based it will also offer the students an opportunity to work on a production component based on a previous edited documentary production.

Lectures: 1 hour per week; tutorials 1.5 hours per week.

Prerequisites: Nil.

### Documentary Production (SCR304)

Credit Points: 3

MURDOCH: S2-internal

This is a practical unit in which students will be introduced to the conceptualisation, research, development, and production process of documentaries. Students will devise and research their own documentary ideas, some of which will be put into group production to be finished by the end of semester. Areas taught will include crafting and shooting documentary interviews, narrative construction and rhetoric, guerrilla lighting techniques, location sound practices, factual entertainment, crowd-funding, and more.

Lectures: 1 hour per week; workshops: 1.5 hours per week.

Prerequisites: MCC128 Screen Production or SCR101 Screen Production 1

### Doing Business In China (LLM506)

Credit Points: 3

Not available this year

China is Australia's largest trading partner. Australians access China's broad industrial base for a wide range of manufactured goods, both as buyers and as investors. The Chinese in turn are one of the biggest consumers of Australian raw materials. This unit gives an overview of doing business in China, with particular focus



on the pitfalls that can arise through cultural misunderstandings. The unit is taught at the East China University of Political Science and Law and in Shanghai, China.

Lectures: 12 hours; guided seminar style learning: 9 hours; field trip to either a Chinese court or law firm: 3 hours. This unit has an intensive teaching period over 4 days. Teaching occurs at the East China University of Political Science and Law in Shanghai.

Field trip.

Prerequisites: Enrolment in the Graduate Certificate in Chinese Law OR a completed Undergraduate Degree OR (LLB students with 24 points or less remaining) with permission of the Unit Coordinator.

Students who already hold an undergraduate degree (including graduate law students) may undertake this unit for credit. Undergraduate LLB students with more not more than 24 points remaining may apply for permission for enrolment in this unit for credit towards either the LLB or the Graduate Certificate in Chinese Law.

### **Drama and the Curriculum (Secondary) (Major) (EDN412)**

Credit Points: 4

MURDOCH: S1-internal, S1-external

Explores ways teachers and students in school settings develop deeper understanding of drama. Explores drama as an art form: conventions, styles, forms, technologies, skills and processes together with its historical, social and cultural contexts. Focuses on understanding drama curriculum and drama teaching; teaching practice integrating theory with practical strategies and approaches for effective learning; and contemporary contexts (including the WA Certificate of Education Courses and The Australian Curriculum: The Arts.

Lectures/workshops: 5 hours per week during Semester 1. Students may be required to attend additional on-campus workshops (or equivalent by negotiation) and are required to take part in supervised in-class assessments.

External students are required to attend on-campus intensive workshop/lectures and supervised in-class assessments as advised. Due to the practical nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

Prerequisites: Enrolment in a teacher education course [either BEd (Secondary) or BEd (Secondary) (Graduate) or GradDipEd (Primary) or GradDipEd (Secondary)].

Students should also be enrolled in EDN4100 School Experience: Secondary BEd for students enrolled in the BEd (Secondary)/BA (Theatre and Drama/English and Creative Arts) where taking this unit (EDN412) as a curriculum major.

OR

Enrolment in EDN3101 School Experience: Secondary BEd for students enrolled in the BEd (Secondary) and taking EDN312 as a curriculum minor.

OR

Enrolment in EDN2161/EDN514 School Experience: Secondary GradDipEd for students enrolled in the GradDipEd (Secondary) as a curriculum major (EDN412) or minor (EDN312).

Exclusions: Students who have completed EDN312 (2 points) and EDN412 (4 points).

Curriculum teaching major in Drama requires a maximum of two units (6 points) at Part I-level and at least one unit (4 points), preferably more, at Part II-level from the Theatre and Drama/English Creative Arts major (drama specific) (or equivalent).

### **Drama and the Curriculum (Secondary) (Minor) (EDN312)**

Credit Points: 2

MURDOCH: S1-internal, S1-external

Explores ways teachers and students in school settings develop deeper understanding of drama. Explores drama as an art form: conventions, styles, forms, technologies, skills and processes together with its historical, social and cultural contexts. Focuses on understanding drama curriculum and drama teaching; teaching practice integrating theory with practical strategies and approaches for effective learning; and, contemporary contexts (including the WA Certificate of Education Courses and The Australian Curriculum: The Arts.

Lectures/workshops: 3 hours per week during Semester 1; students may be required to attend additional on-campus workshops (or equivalent by negotiation) and are required to take part in supervised in-class assessments as advised.

Due to the practical nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

Students will also participate in a group devised drama performance applying principles of drama studied.

Prerequisites: Enrolment in a teacher education course [either BEd (Secondary) or BEd (Secondary) (Graduate) or GradDipEd (Secondary)]; enrolment in relevant School Experience (EDN3101 or EDN2161/EDN514). Completion of BED150/EDN112/EDN1121 Understanding Teachers' Work.

Curriculum teaching minor in Drama requires a minimum of two units (6 points) at Part I-level and at least one unit (4 points) at Part II-level from the Theatre and Drama/English and Creative Arts major (drama specific or equivalent).

### **Drama and the Curriculum A (Secondary 7 - 10) (EDN371)**

Credit Points: 3

Not available this year

### **Drama and the Curriculum B (Secondary 11 - 12) (EDN471)**

Credit Points: 3

Not available this year

### **Drama, Theatre and Performance (EGL106)**

Credit Points: 3

MURDOCH: S2-internal

This unit introduces students to a selection of dramatic texts from a range of different periods and cultures, and assists students in developing skills in the analysis and critique of these dramatic texts. Students will have an opportunity to participate in transforming a text into a performance through the stages of writing, designing and directing.

Lectures/workshops: up to 2.5 hours per week.

Prerequisites: Nil.

**Drawing (GAD172)**

Credit Points: 3

MURDOCH: S1-internal

This unit is an introduction to the principles of drawing. Through set projects, students will explore the rigorous formal, conceptual, analytical and expressive drawing techniques to develop and expand their drawing skills.

Media laboratories: 2.5 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed MCC172 Drawing cannot enrol for credit in this unit.

**Drawing Studio (GAD373)***As for MCC273 except:*

Credit Points: 3

Not available this year

Media laboratories: 2.5 hours per week

Prerequisites: GAD172 Drawing or MCC172 Drawing

Exclusions: Students who have successfully completed MCC273 Drawing Studio may not enrol in this unit for credit.

**Drawing Studio (MCC273)**

Credit Points: 4

MURDOCH: S2-internal

This unit builds on the technical and expressive skills gained from the first year Drawing unit. Students will rigorously develop drawing skills required for their competent application in a range of design and games-related industries.

Media laboratories: 2.5 hours per week

Prerequisites: MCC172 Drawing.

**Drugs in Society (BRD202)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

Have you ever wondered how aspirin knows where the pain is? Or why some drugs are so addictive? This unit explores drugs, asking how they are discovered and regulated. It examines social drugs such as alcohol and nicotine, illicit drugs such as cannabis and cocaine, and medicines such as painkillers and anti-depressants. It considers social, ethical and economic issues such as reproductive medicines, drugs in sport and the rise of complementary medicines, as well as future personalised therapies.

Lectures: 1 hour per week; workshops: 2 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed BMS105 Drugs in Society may not enrol in this unit for credit.

**Dynamics of Cultural Diversity in the Workplace and the Community (EDN546)**

Credit Points: 3

MURDOCH: S1-internal

Managing and capitalising on the rich potential of cultural diversity requires a cross-cultural mindset, intercultural competence and positive leadership capabilities. Challenges and opportunities offered by cultural diversity are examined at multiple levels (individual, group, organisation, communities), diverse angles

(cross-cultural management and leadership, intercultural communication, cultural intelligence, multicultural teams) and international perspectives (Australian, Asian, American, European). Assumptions, strengths and limitations of theories and research to guide professional practice are scrutinised. The unit builds upon participants' experience of cultural diversity.

Seminars and workshops are delivered in semester teaching mode (8 blocks of 3 hours). All classes take place after 4.30pm. Students will then complete research assignments independently, in consultation with teaching staff.

Prerequisites: Enrolment in a Graduate qualification or permission of the Unit Coordinator

**E-Politics: the Internet and the Future of Power (SWM641)**

Credit Points: 3

MURDOCH: S1-internal

The Internet is disrupting traditional power structures. Citizens, corporations and governments are all being affected. This case study-based intensive unit explores these changed power relations, and the consequences for policy makers and democracy. Topics include the changed nature of revolutions and mass mobilisation, the increased political power of citizens, the Internet's use to gain espionage and military advantage, and impacts on international commerce. The content draws on a forthcoming book on the way the Internet is reshaping world politics.

Seminars and workshops are delivered in intensive teaching mode (24 hours of contact time), which may include evenings and weekends. Students will then complete research assignments independently, in consultation with teaching staff.

Prerequisites: Enrolment in a graduate-level course.

**Early Childhood Learning Environments (EDN432)**

Credit Points: 3

Not available this year

This unit examines how indoor and outdoor experiences and environments can support early years' learning. Case studies focused on the professional skills and knowledge necessary for the provision of safe, nurturing and inclusive environments are reviewed. Administrative and legislative requirements of workplace practice are examined.

On-campus meetings usually available.

Prerequisites: Enrolment in the Bachelor of Education (Early Childhood and Primary Teaching)

Exclusions: Students who have completed EDN238 Early Childhood Learning Environments may not enrol in this unit for credit.

**Earth System Science (ENV314)**

Credit Points: 4

MURDOCH: S2-internal, S2-external

This unit develops the concepts of system modelling and its application to global change. In particular, the interactions between the Earth's physical spheres (the lithosphere, hydrosphere, biosphere and atmosphere) and society are considered and emphasis is given to highlighting the impact of future climatic change for application in impact models.

Lectures/workshops: 2 hours per week.

Prerequisites: ENV213/ENV242 Atmospheric Science or PEC332 Greenhouse Science and Policy.

Exclusions: Students who have previously completed

ENV330/ENV630 Special Topics in Environmental Science: Earth System Science may not enrol in this unit for credit.

### Earth System Science (ENV684)

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit develops the concepts of system modelling and its application to global change. In particular, the interactions between the Earth's physical spheres (the lithosphere, hydrosphere, biosphere and atmosphere) and society are considered and emphasis is given to highlighting the impact of future climatic change for application in impact models.

Lectures/workshops: 2 hours per week.

Prerequisites: Enrolment in Bachelor of Environmental Science or Graduate Diploma in Energy and the Environment or Master of Environmental Science.

Exclusions: Students who have previously completed ENV330/ENV630 Special Topics in Environmental Science: Earth System Science or ENV614 Earth Systems Science may not enrol in this unit for credit.

### Earth, Fire, Wind and Water: Australian Environmental History (HIS256)

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit examines aspects of the interaction between human history and the Australian environment. It considers questions such as the impact on the Australian continent of millennia of Aboriginal occupation; the transformation of the land wrought by Europeans; issues and conflicts arising from changing understandings of the Australian environment; and the nature of belonging. Finally, the unit addresses some of the major environmental and ethical issues that confront Australians facing the twenty-first century.

Lectures: 1 hour per week; tutorials: 1 hour per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed HIS283 Earth, Fire, Wind and Water: Australian Environmental History cannot enrol in this unit for credit.

### Ecology (ENV241)

Credit Points: 3

MURDOCH: S2-internal, S2-external

Ecology concerns the interaction of biota and the environment. Study key ecological concepts and techniques, and their implementation in the field. Consider biogeographic aspects of the Australian biota as a foundation for examination of the four tiers of ecology: the individual, populations, communities and ecosystems. The unit is taught from an evolutionary perspective. A field component is an integral part of the unit and all students participate in the collection and interpretation of a substantial set of ecological field data.

Lectures: 2 hours per week; computer laboratories: 1 x 3 hours.

One-week field component during which students will collect, collate, analyse and begin to interpret a substantial amount of ecological data.

Prerequisites: BIO103 Introduction to Environmental Biology or BIO180 Introduction to Marine Biology.

Exclusions: Students who have successfully completed ENV268 Ecology may not enrol in this unit for credit.

### Econometrics (BUS292)

Credit Points: 3

MURDOCH: S2-internal, S2-external

Econometrics is concerned with the empirical testing of economic and finance theories. A working knowledge of the subject is essential for those students intending to work as professional economists, financial analysts and business professionals. This unit adopts a hands-on approach to the subject, combining the theory of econometrics with the use of the latest computer packages. The unit provides students with a good working knowledge of the subject and the ability to solve practical problems.

Lectures: 1 hour per week; computer laboratories: 2 hours per week.

Prerequisites: BUS161 Introduction to Economics or BUS171 Foundations of Economics; MAS164 Fundamentals of Mathematics or MAS180 Introduction to Statistics or MAS183 Statistical Data Analysis or BUS130 Foundational Mathematics for Business.

Exclusions: Students who have completed BUS294 Econometrics may not enrol in this unit for credit.

### Economics and Business Strategy (MBS666)

As for MBS686 except:

Credit Points: 4

KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

Lectures/seminars/workshops: 3 hours per week.

Prerequisites: Enrolment in a graduate level course.

### Economics and Business Strategy (MBS686)

Credit Points: 3

MURDOCH: S2-internal, S2-external

Increasing competition and rapid technological change mean that, more than ever before, managers must have a sound understanding of the economic fundamentals of business enterprises, the operation of markets and the role played by governments. In this unit particular emphasis is given to the strategic interdependence of many businesses and their efficiency.

Lectures/seminars/workshops: 3 hours per week.

Prerequisites: Enrolment in a graduate level course

Exclusions: Students who have completed MBS666 Economics and Business Strategy may not enrol in this unit for credit.

### Economics in Society (BUS162)

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit provides valuable analysis of decision-making by consumers and businesses, and further insight into government policy issues. Topics include: consumer demand and behavioural economics; market structures; labour markets; the distribution of income in society. A foundation is provided of the financial system, along with analysis of factors that determine economic growth in developing and developed countries, and current issues involving international trade and globalisation.

Lectures: 2 hours per week; workshops: 1 hour per week.

Prerequisites: Nil.



**Economics of Globalisation (MBS531)**

Credit Points: 4

DUBAI-ISC: TSD-internal

This unit introduces students to the global forces that are currently determining the state of play in international economics and economic relations. Nationally determined economic management and its effectiveness will receive scrutiny in the light of globalising tendencies. Includes the historical development of globalisation, free trade vs. protectionism, economic integration, world financial markets, multinational corporations, labour and distributional issues, the environment, global economic institutions, and the rise of anti-globalisation movements.

Lectures/seminars/workshops: 3 hours per week.

Prerequisites: Enrolment in a graduate-level course.

**Economics of Globalisation (MBS631)**

Credit Points: 3

Not available this year

This unit introduces students to the global forces that are currently determining the state of play in international economics and economic relations. Nationally determined economic management and its effectiveness will receive scrutiny in the light of globalising tendencies. Includes the historical development of globalisation, free trade vs. protectionism, economic integration, world financial markets, multinational corporations, labour and distributional issues, the environment, global economic institutions, and the rise of anti-globalisation movements.

Lectures/seminars/workshops: 3 hours per week.

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students who have successfully completed MBS531 Economics of Globalisation may not enrol in this unit for credit.

**Economics of Sustainability (SUS202)**

Credit Points: 4

MURDOCH: W-internal, W-external

This intensive unit explores the interplay between economics and sustainability. Students will examine the explanatory and policy power of the dominant neoclassical economics paradigm in order to understand its benefits and limitations in relation to sustainability. The unit provides an overview of economic tools and techniques for dealing with sustainability problems and introduces alternative economic perspectives, which challenge economic orthodoxy.

Introductory workshop: 1 x 2 hours; workshops: 10 x 2 hours; discussion fora: 10 x 1 hour; mini lectures/guest lectures: 5 x 1 hour. Students should seek confirmation of the attendance dates and requirements from the Unit Coordinator prior to the commencement of the teaching period.

Students will attend mini-lectures presented by guest speakers on select topics and watch recordings from relevant documentaries and television programs pertaining to economics and sustainability.

Prerequisites: Nil.

Exclusions: Students who have successfully completed STP205 Economics and Sustainability may not enrol in this unit for credit.

**Economics of Sustainability (SUS305)**

Credit Points: 3

Not available this year

This intensive unit explores the interplay between economics and sustainability. Students will examine the explanatory and policy power of the dominant neoclassical economics paradigm in order to understand its benefits and limitations in relation to sustainability. The unit provides an overview of economic tools and techniques for dealing with sustainability problems and introduces alternative economic perspectives, which challenge economic orthodoxy.

Introductory workshop: 1 x 2 hours; workshops: 10 x 2 hours; discussion fora: 10 x 1 hour; mini lectures/guest lectures: 5 x 1 hour. Students should seek confirmation of the attendance dates and requirements from the Unit Coordinator prior to the commencement of the teaching period.

Mini lectures presented by guest speakers on select topics; recordings from relevant documentaries and television programs pertaining to economics and sustainability.

Prerequisites: Nil.

Exclusions: Students who have successfully completed STP205 Economics and Sustainability or SUS202 Economics and Sustainability may not enrol in this unit for credit.

**Education Project (EDU600)**

Credit Points: 4

DUBAI-ISC: TJD-internal, TMD-internal, TSD-internal

A supervised project, resulting in a scholarly report. This will provide evidence that the participant can generate a problem and/or research area from their own interests or professional work in education. The project will be a critical literature review that demonstrates mastery of a problem area. Approval by the supervisor, on the basis of a written proposal, must be obtained before the project commences.

6 x 1 hour seminars distributed throughout the semester

Prerequisites: Completion of EDU603/EDU610 introduction to Research for Educators or equivalent social research methods unit. Normally taken as the final component in the MEd (Coursework) degree, provided that F605/EDU605 Master of Education Project is not part of that degree.

Exclusions: Students who have successfully completed EDU605 Master of Education Project may not enrol in this unit for credit.

**Education Project (EDU660)****As for EDU600 except:**

Credit Points: 6

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Seminars: 6 x 1 hour distributed throughout the semester.

Prerequisites: Successful completion of EDU603/610 Introduction to Research for Educators or equivalent. It is recommended that part-time students complete all the proposed units before enrolling in EDU660 or, if full-time, then this unit is completed in the last semester of their enrolment.

**Effective Leadership (MBS671)**

**As for MBS687 except:**

Credit Points: 4

DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TMA-internal  
SGP1: TSS-internal

Lectures/seminars/workshops: 3 hours per week.

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students who have successfully completed MBS687 Effective Leadership, MBS6712 Effective Leadership or MBS6711 Effective Leadership may not enrol in this unit for credit.

**Effective Leadership (MBS6712)****As for MBS687 except:**

Credit Points: 3

MURDOCH: SUM1-internal

Lectures/seminars/workshops: 6 hours (2 x 3 hours) per week for summer term.

Prerequisites: Enrolment in C1083 Postgraduate Certificate in Business Administration (MasterClass) or C1115 Graduate Certificate in Business Administration (MasterClass).

Exclusions: Students who have successfully completed MBS671 Effective Leadership, MBS687 Effective Leadership or MBS6711 Effective Leadership may not enrol in this unit for credit.

Taught intensively during the Summer term. Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

**Effective Leadership (MBS687)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit explores the nature and role of leadership using selected readings, case studies and discussion. Issues such as 'What is leadership?', 'What do leaders do?' and 'What determines a leader's success or failure?' will be tackled, as well as the key question, 'What is the difference between leading and managing?' The unit focuses on distributed leadership where everyone in the organisation contributes to developing the organisation's leadership capability and developing personal awareness of these leadership capabilities.

Lectures/seminars/workshops: 3 hours per week.

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students who have successfully completed MBS671 Effective Leadership, MBS6712 Effective Leadership or MBS6711 Effective Leadership may not enrol in this unit for credit.

**Electrical Power Systems Design (ENG449)**

Credit Points: 3

Not available this year

**Electricity Markets (PEN627)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit looks at the design and operation of the modern restructured electricity industry, considering engineering, economic, environmental, regulatory and policy perspectives. The objective of the unit is to provide knowledge and skills for economists,

engineers, lawyers, policy analysts and regulators who work in or with the electricity industry. It discusses theory and practice, using the Australian experience as the primary case study but also referring to the European and North American experiences.

Commences with preliminary readings required for an intensive three-day lecture session and final half-day tutorial workshop. Due to the nature of offering this unit offering, students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

Prerequisites: Enrolment in a graduate level course.  
PEC591/PEN591 Energy Policy. Recommended PEC592/PEN 592 Energy Policy and PEC593/PEN593 Energy Economics.**Electromagnetism (PEN332)**

Credit Points: 3

Not available this year

Prerequisites: Nil.

**Electromechanical Energy Conversion (ENG317)****As for ENG347 except:**

Credit Points: 3

Not available this year

Lectures: 1 x 2 hours per week; workshops: 1 x 1 hour per week; laboratories: 1 x 2 hours per week.

Project work is offered in terms of two mini projects which involve some modelling and simulation work on a PC. Students do these projects as part of their self-directed learning.

Prerequisites: ENG243 Circuits and Systems II

**Electromechanical Energy Conversion (ENG347)**

Credit Points: 4

MURDOCH: S1-internal

The unit is concerned with the principles of energy conversion between mechanical and electrical systems. It investigates and models the behaviour of transformers and a range of electrical machines, including synchronous, induction, and DC generators and motors.

Lectures: 2 hours per week; workshops: 1 hour per week; laboratories: 3 hours per week.

Project Work is offered in terms of two mini projects. Both projects involve some modelling and simulation work on a PC. Students do these projects as part of their self-directed learning.

Prerequisites: PEC152/PEN152 Principles of Physics; MAS161 Calculus and Matrix Algebra; ENG243 Circuits and Systems II.

**Emerging Christian Theology: The Creeds (100-500 CE) (THE510)**

Credit Points: 3

MURDOCH: S2-external

This unit is an introduction to the history of Christian theology from the origins of Christianity in the first century until the Council of Chalcedon in 451. It focuses on early Christian understandings of God, Christ, the Holy Spirit, the Trinity, and the Church, in connection with theological method, biblical interpretation, theological anthropology, worship, spirituality, and ethics. A study of the historical contexts, major theologians, church councils, and doctrinal developments of the patristic period.

Lectures: 1 x 2 hours per week.

Prerequisites: Enrolment in graduate level study.

### **Empirical Research Methods for Business (BBS300)**

Credit Points: 3

Not available this year

In this unit you will be guided through the full research process: you will start with an evaluation of a question or problem of interest; you will then develop an appropriate research design to acquire relevant data; you will choose an appropriate method of analysis; and finally you will come to a reasoned conclusion about the original question or problem of interest. This unit will equip you with the basic skills to undertake independent research in your own degree.

Prerequisites: BBS200 Business Research: An Integrated Approach

### **Employment Relations (BUS222)**

Credit Points: 4

MURDOCH: S1-internal, S1-external

This unit provides an introduction to the Australian employment relations environment. Topics to be examined include labour market issues, different approaches to employee relations, the role of government, unions, management and employer associations, collective bargaining, dispute management and workplace negotiation. This unit is part of the Human Resource Management and Management majors and minors.

Lectures: 1 hour per week; workshops: 2 hours per week.

Prerequisites: BUS145 Principles of Management or BUS176 Foundations of Management and Governance.

Exclusions: Students who have completed BUS251 Employment Relations in Asia may not enrol in this unit for credit

This unit is only available to students studying at the Murdoch (South Street) campus. Singapore students should enrol in BUS251 Employment Relations in Asia.

### **Employment Relations (BUS332)**

*As for BUS222 except:*

Credit Points: 3

Not available this year

Prerequisites: BUS145 Principles of Management or BUS176 Foundations of Management and Governance

Exclusions: Students who have completed BUS222 Employment Relations or BUS251 Employment Relations in Asia may not enrol in this unit for credit.

### **Employment Relations and Asia Pacific Contexts (MBS624)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit explores the employment relations environment in Australia and uses comparative analysis to study other countries in the region. Topics of interest include various approaches to employee relations, the role of the state, unions and employers, collective bargaining, and industrial conflict and co-operation.

Lectures/seminars: 3 hours per week.

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students who have completed BUS322 International Finance, BUS222 Employment Relations or BUS251 Employment

Relations in Asia may not enrol in this unit for credit.

### **Employment Relations in Asia (BUS251)**

Credit Points: 4

KAPLAN-SGP: TMA-internal  
SGP1: TMB-internal

This unit provides an introduction to employment relations environments in Asia. It includes an examination of labour market conditions, the role of government, unions and employer associations, collective bargaining, dispute management and other workplace issues.

Lectures: 2 hours; workshops: 1 hour.

Prerequisites: BUS145 Principles of Management or BUS176 Foundations of Management and Governance

Exclusions: Students who have completed BUS222 Employment Relations may not enrol in this unit for credit

This unit is only available to students studying at the Singapore campuses. Murdoch (South Street), KDU and Dubai students should enrol in BUS222 Employment Relations.

### **Employment Relations Law (LAW363)**

Credit Points: 4

MURDOCH: S1-internal

Examines the legal regulation of the relationship between employer and employees in Australia. Reviews the contract of employment before focusing on the Federal industrial relations system, locating it in its constitutional context and examining the nature of statutory regulation of industrial relations. Topics: roles of the various Federal statutory bodies, enterprise bargaining, control of industrial action and unfair dismissal. Western Australian law and practice, occupational health and safety provisions and workers' compensation legislation are briefly considered.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: LEG120(prior to 2012)/LAW120 Research and Writing, LEG150(prior to 2011)/LAW150 Australian Legal System, LAW152 Torts, LAW130 Criminal Law and Procedure, LAW260 Contract.

Exclusions: Students who have successfully completed C228/BUS228 Employment Law may not enrol in this unit for credit.

The exam for the unit will be held one week after the end of face-to-face teaching.

### **Employment Relations Law (LLB363)**

*As for LAW363 except:*

Credit Points: 3

Not available this year

Prerequisites: LEG120(prior to 2012)/LAW120 Research and Writing, LEG150(prior to 2011)/LAW150 Australian Legal System, LAW152 Torts, LAW130 Criminal Law and Procedure, LAW260 Contract.

Exclusions: Students who have completed LAW363 Employment Relations Law may not enrol in this unit for credit.

**Energy and Greenhouse Reporting (PEN501)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit develops an understanding of the rigorous Energy and Greenhouse Reporting methodologies that apply in today's world of environmental regulation and markets. The possibility of carbon pricing in Australia, combined with an increased community awareness of climate change, demands thorough attention to the accounting of greenhouse gas emissions. Energy Efficiency Programs require strict accounting for energy consumption and the calculation of energy usage breakdowns. This unit will look at systems for reporting both energy consumption and greenhouse emissions.

Lectures/seminars: 3 hour block with a 1 to 2 hour lecture and a 1 to 2 hour workshop/tutorial/seminar

Prerequisites: Nil.

**Energy Economics (PEN593)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

Presents economic theory relevant to the energy sector, including investment decision making, energy market operation, price determination, and risk management. As a critical issue this century, externalities in the energy sector and their internalisation are covered in detail. Attention is given to open access to energy infrastructure, energy sector taxation, and the role of public utilities and government industry regulators. The unit emphasises that the role of the market should always be considered within the broader ecological and social context.

Lectures: 1 x 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Enrolment in a graduate level course. Recommended PEC592 Energy in Society.

**Energy Efficiency, System Analysis and Auditing (PEN625)**

Credit Points: 3

MURDOCH: S2-external, Y-external

This unit is the first of two units that look at advanced methods in energy efficiency. Topics: energy surveys, mass and energy balances, thermodynamics, energy, air psychometrics, heat transfer and introductory process integration (pinch technology). The unit is co-ordinated and run for students by staff at Massey University in New Zealand as part of a co-operative agreement where Murdoch students can undertake units at Massey and Massey students can undertake units at Murdoch.

External: no attendance required.

Prerequisites: PEC594 Energy Management or equivalent, plus enrolment in the Postgraduate/Graduate Certificate in Energy Studies, Postgraduate/Graduate Diploma in Energy and the Environment, Postgraduate/Graduate Diploma in Energy Studies or Master of Science in Renewable Energy/Master of Renewable Energy.

This unit is taught externally/online by staff from Massey University with tutorial support from Murdoch staff.

**Energy Efficient Buildings (PEN670)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

The aim of this unit is to provide a practical and scientific understanding of the impact of climate on building design and the factors which affect the energy efficiency of the building. The unit also focuses on the evaluation of the energy efficiency of buildings and approaches to reduce energy consumption by occupants of principally domestic and light commercial buildings.

Lectures/workshops/tutorials: 1 x 3 hours per week.

Prerequisites: Enrolment in the Postgraduate/Graduate Certificate in Energy Studies, Postgraduate/Graduate Diploma in Energy and the Environment, Postgraduate/Graduate Diploma in Energy Studies, Master of Science in Renewable Energy/Master of Renewable Energy or Master of Science in Environmental Architecture. Knowledge of physics equivalent to PEC120 General Physics OR PEC152/PEN152 Principles of Physics OR successful completion of PEC592 Energy in Society, PEC594 Energy Management or PEC590 Energy Systems. Recommended: PEC592 Energy in Society.

**Energy in Society (PEN592)**

Credit Points: 3

MURDOCH: S1-internal, S1-external, S2-external

This is a unit about energy sources and how they are utilised to produce power for human society. It is based on a multidisciplinary approach and covers patterns of consumption; energy conversion technology; environmental and social impacts; conventional and alternative sources; energy conservation and options for future energy supplies.

Lectures/tutorials: 1 x 3 hours per week.

Prerequisites: Enrolment in the Postgraduate/Graduate Certificate in Energy Studies, Postgraduate/Graduate Diploma in Energy and the Environment, Postgraduate/Graduate Diploma in Energy Studies or Master of Renewable Energy. Knowledge of physics equivalent to PEC120 General Physics OR a final scaled score of 60% or more in WACE Physics 2A/2B or PEC152/PEN152 Principles of Physics.

**Energy Management (PEN594)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit utilises a US-based developer of online learning to provide a unit where the student carries out realistic tasks for an energy company. Students review the company's energy history and conduct tariff analyses, perform an energy audit and conduct a detailed analysis of energy efficiency opportunities, including economic options. Checklists and worksheets are used for energy efficiency opportunities for the commercial premises and onsite facilities. Developed strategies form the basis of an energy saving plan for the company.

Lectures/workshops: 1 x 3 hours per week.

For internal students there will be a site visit to see the energy consuming equipment in a large facility.

Prerequisites: Enrolment in the Postgraduate/Graduate Certificate in Energy Studies, Postgraduate/Graduate Diploma in Energy and the Environment, Postgraduate Diploma/Graduate in Energy Studies, Master of Renewable Energy or Master of Science in Environmental Architecture. Knowledge of physics equivalent to PEC120 Introduction to Physics/General Physics OR PEC/PEN152 Principles of Physics, OR successful completion of PEC590 Energy Systems, PEC592 Energy in Society, or PEC670 Energy Efficient Buildings. Recommended: PEC492/PEC592 Energy in Society.

**Energy Management and Systems (ENG338)**

Credit Points: 3

Not available this year

**Energy Policy (PEN591)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

The unit seeks to provide an understanding of the public policy processes and institutions that give rise to the shape, direction, and outcomes in the energy sector. The sources of energy policy objectives are explored, along with the range of policy instruments available to achieve them. Political and economic drivers of policy formation are explored in the areas of fossil fuel policy, nuclear energy, the global environment, renewable energy, energy sustainability, and above all climate change.

Lectures: 1 x 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Enrolment in a graduate-level course. Recommended: PEC592 Energy in Society and PEC593 Energy Economics.

**Energy Studies Project (PEN596)**

Credit Points: 3

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

This unit gives the student the opportunity to investigate a particular area of Energy Studies in significant detail. The Energy Studies Project is a critical analysis based on a literature review and independent thought. Students should consult the Unit Coordinator for a list of prescribed topic areas.

Prerequisites: PEC592 Energy in Society; PEC594 Energy Management; enrolment in the Postgraduate/Graduate Diploma in Energy Studies or the Postgraduate/Graduate Diploma in Energy and the Environment or the Master of Renewable Energy.

**Energy Supply Systems (ENG352)**

Credit Points: 4

MURDOCH: S2-internal

An introduction to the design and operation of energy conversion and supply systems. The focus is principally on small to medium scale energy systems currently in use in Australia. Key areas covered include engine-based RAPS systems, hybrid systems, photovoltaic systems, wind power systems and solar thermal systems. Co-generation systems, fuel cells and microhydro systems are also considered. Practical sessions are used to illustrate the concepts from the lectures.

Lectures/tutorials: 1 x 3 hours per week; laboratories: 1 x 3 hours per week.

Prerequisites: PEC152/PEN152 Principles of Physics; MAS161 Calculus and Matrix Algebra; ENG262 Principles of Electronic Instrumentation.

Co-requisite ENG267 Control Systems and Process Dynamics.

Exclusions: Students cannot complete this unit and PEC390 Energy Systems for credit.

**Energy Systems (PEN590)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

An introduction to the design and operation of energy conversion and supply systems. The focus is on the principal small to medium scale energy systems currently in use in Australia. Key areas covered include engine-based RAPS systems, hybrid systems, photovoltaic systems, wind power systems and solar thermal systems.

Co-generation systems, fuel cells and microhydro systems are also considered.

Lectures/tutorials: 1 x 3 hours per week.

For internal students a site visit to the Outdoor Test Area at Murdoch allows the students to view, up close, the renewable energy systems that are discussed in the lectures.

Prerequisites: Enrolment in the Postgraduate/Graduate Certificate in Energy Studies, Postgraduate/Graduate Diploma in Energy and the Environment, Postgraduate Diploma/Graduate in Energy Studies, or Master of Science in Renewable Energy/Master of Renewable Energy. Knowledge of physics equivalent to PEC120 Introduction to Physics/General Physics OR PEC152 Principles of Physics, OR successful completion of PEC592 Energy in Society, PEC594 Energy Management or PEC670 Energy Efficient Buildings. Recommended: PEC592 Energy in Society.

**Energy, Mass and Flow (ENG192)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit is designed to provide the engineering and physics foundations, skills and knowledge to understand energy and mass transfer in simple systems. It provides the background to analyse process oriented problems. The unit builds upon the fundamental physics by both regimenting students in solving problems in the areas of energy, mass and flow, as well as developing practical skills and understanding of the basics of the physical processes. Both analytical and computer-based problem solving techniques are used.

Lectures: 2 hours per week; workshops: 2 hours per week; laboratories: 2 hours per week.

Prerequisites: Completion of, or concurrent enrolment in, MAS182 Applied Mathematics or MAS161 Calculus and Matrix Algebra; plus a final scaled score of 60% or more in WACE Physics 3A/3B or a pass in PEC120/PEN120 General Physics.

**Engaging Communities through Drama (EDN304)**

Credit Points: 3

MURDOCH: S2-internal

Drama and theatre educate in the broad sense. This unit explores how children, adolescents and community learn through participating in drama as a dynamic, transformative art. It bridges drama in schools and drama in wider community contexts through practical embodied learning workshops, performance projects and placements underpinned by theoretical exploration of the uses and purposes of applied drama and theatre. It engages with new practices in drama, theatre and performance designed to make a difference in participants' lives.

Lectures/workshops: 4 hours per week; rehearsals and performance: as required.

Students are required to attend and participate in lectures/workshops.

All students will need to access LMS during this unit to submit work electronically and create digital portfolios/assignments.

Students collaborate to form a theatre company responding to the needs of an identified community.

Prerequisites: Nil.



**Engaging with a Sustainable Future (ENV536)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

Achieving a sustainable future ultimately depends on how well we are able to engage with individuals, communities and organisations to achieve changes in behaviour. This project-based unit develops project design, implementation and evaluation skills while exploring effective education and engagement strategies for sustainability. Hands-on experience and opportunities to network with EfS practitioners will be provided. Local environmental issues, programs and practices illustrate links between environmental opportunities, community engagement and behaviour change strategies for individuals, organisations and communities in WA.

Lectures: 14 hours spread over 3 intensive sessions; workshops: 24 hours spread over 3 intensive sessions; excursions: 4 hours once per semester.

Prerequisites: Enrolment in Graduate Certificate in Environmental Science or Graduate Certificate in Protected Area Administration or Graduate Diploma in Environmental Science or Bachelor of Marine Science or Master of Sustainable Development).

Exclusions: Students who have successfully completed EDU650/EDU450 Environmental Education for Sustainability may not enrol in this unit for credit.

**Engineering Computing Systems (ENG109)**

Credit Points: 3

MURDOCH: S2-internal

Modern industrial processes rely heavily on embedded controllers, both for monitoring and control of operations and to provide warnings and alarms ensuring personnel safety. This unit explores microcontroller hardware and computer-based engineering tools, commonly used in Engineering and Science for the design, analysis and operation in various technological domains. This unit provides both hardware-oriented microcontroller laboratory sessions and computer-based workshops. Students will develop programming skills and learn about the constraints of developing for real-time environments.

Lectures: 1 x 2 hours per week; workshops: 1 x 3 hours per week; laboratories: 2 hours per fortnight.

Prerequisites: Nil.

**Engineering Design (ENG428)**

Credit Points: 4

MURDOCH: S1-internal, S2-internal

In this unit students are exposed to a design task, specialised to each of the engineering disciplines. It is required to adopt a global approach to define a problem, develop a solution and present this in writing and verbally. Project work, sometimes team based, will involve a design task and the development of a solution to the problem. This may take the form of a corporate package, a mathematical formulation, a physical device or an analytical strategy of some kind.

Lectures/tutorials/meetings/laboratories: By arrangement with the Unit Coordinator, academic supervisor and team members.

Prerequisites: Completion of all required third year Engineering units.

Environmental Engineering students should enrol in ENG4281 Engineering Design.

**Engineering Design (ENG4281)***As for ENG428 except:*

Credit Points: 4

MURDOCH: S1-internal, S2-internal

Prerequisites: Completion of all required third year units and approval of the Academic Chair of Environmental Engineering

Environmental Engineering students should enrol in ENG4281 Engineering Design.

**Engineering Design Project (ENG457)**

Credit Points: 6

MURDOCH: S2-internal

Students learn to apply the principles of extractive metallurgical project design at pre-feasibility stage including project planning, management, process design, flowsheet development, equipment selection, OHE&S and cost analysis. A written report and oral defence covering all project aspects will be submitted by each student team working on a specified metal/mineral extraction process. The unit is supported by Minerals Tertiary Education Council and is run in conjunction with University of Queensland and the Western Australian School of Mines.

Lectures/tutorials: equivalent to an average of 5 hours per week; project meetings as arranged by the Unit Coordinator.

Prerequisites: Students need to have completed EXM301 Mineral Processing (or both ENG328 Mineral Processing I and ENG329 Mineral Processing II); EXM302 Advanced Mineral Processing (or ENG325/EXM358 Pyrometallurgy); and EXM357 Extractive Metallurgy (or ENG326 Hydrometallurgy); or alternatives approved by the Unit Coordinator.

Exclusions: Students who have successfully completed EXM435 Advanced Topics in Extractive Metallurgy or EXM435 Metallurgical Process and Plant Design may not enrol in this unit for credit.

**Engineering Finance, Management and Law (ENG336)**

Credit Points: 3

Not available this year

This unit provides exposure to a wide range of aspects of the practice of engineering. Topics: strategic management -- the management of both human and financial resources; the law -- as it relates to contract and tort, copyright and intellectual property; ethics -- the engineering code of ethics and its operation in engineering practice; professionalism -- the roles and responsibilities of the professional engineer.

**Engineering Honours Thesis (ENG470)**

Credit Points: 12

MURDOCH: DE2-internal, H-internal, S1-internal, WU3-internal, Y-internal

This unit provides students with a sustained engineering project under the guidance of an experienced supervisor. This capstone unit involves project specification, design, implementation, testing, documentation, demonstration and presentation. Projects will contain significant background research and be selected on the basis of their novelty and innovation. Students may undertake projects on campus or on placement with industry partners. Students must prepare project plans, progress reports, deliver seminars describing outcomes and attend regular meetings with supervisors as required.

Prerequisites: Permission of the relevant Engineering Academic Chair.

**Engineering Internship (ENG450)**

Credit Points: 12

MURDOCH: DE2-internal, H-internal, S1-internal, SUM-internal, WU3-internal, Y-internal

This unit provides exposure to industrial engineering projects and involves elements of specification, design, implementation, testing, documentation, demonstration and presentation. The unit brings together all aspects of the student's knowledge, training and skills. Students will prepare a project report, deliver seminars describing the project, and attend meetings with academic and industry supervisors as required.

Meetings: as required.

Prerequisites: Permission of Engineering Academic Chair.

**Engineering Law, Management and Ethics (ENG453)**

Credit Points: 4

MURDOCH: S1-internal

This unit provides exposure to a wide range of aspects of the practice of engineering. Topics: strategic management -- the management of both human and financial resources; the law -- as it relates to contract and tort, copyright and intellectual property; ethics -- the engineering code of ethics and its operation in engineering practice; professionalism -- the roles and responsibilities of the professional engineer.

Lectures and workshops: 4 hours per week.

Prerequisites: Completion of 40 or more points at Part II.

Exclusions: Students who have successfully completed ENG417  
Engineering Studio: Law, Management and Ethics may not enrol in this unit for credit.

**Engineering Masters Project (ENG615)**

Credit Points: 12

MURDOCH: H-internal, S1-internal, S2-internal, SUM-internal, Y-internal

This project will address a problem of industrial significance, and will involve many aspects associated with Instrumentation, Control and Industrial Computer Systems Engineering. Students will be expected to undertake the analysis, development and upgrade of a significant project. This project may require the student to be stationed at an industrial site.

Meetings/laboratories: by arrangement with the Project Supervisor.

Prerequisites: Enrolment by permission of the Engineering Academic Chair.

**Engineering Systems Projects (ENG396)**

Credit Points: 6

MURDOCH: S1-internal, S2-internal, SUM-internal

This unit allows students to extend their studies in a subject area outside of their Engineering major. Its purpose is to develop a thorough knowledge and expertise in certain specific areas of engineering. A range of topics are available.

Lectures/tutorials/meetings: By arrangement with the Unit Coordinator.

Prerequisites: Permission of the Engineering Academic Chair.

**Engineering Technology Project (ENG310)**

Credit Points: 4

MURDOCH: S1-internal, S2-internal, SUM-internal, Y-internal

This unit involves the undertaking of a design project in an area of Engineering Technology. Students will be expected to demonstrate an understanding of the underlying principles of the task to be done and, under supervision, complete a small scale project, which will require some elements of specification, design, developments and testing. Additionally, students must present their work both verbally and in written form.

Meetings/laboratory work: as required.

Prerequisites: Permission of the Engineering Academic Chair.

**Engineering Thermodynamics (ENG202)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

Basic concepts in thermodynamics for steady and unsteady systems, forms of energy and equations of state; properties of pure substances, phase diagrams and phase transitions. Pure components and solutions. Gibbs free energy, fugacity and activity, phase equilibria, electrochemical equilibria. Chemical reaction equilibria. First law of thermodynamics and applications - mass and energy balances in open and closed systems. Entropy and second law of thermodynamics, energy; typical engineering case studies.

Lectures: 1 x 2 hours and 1 x 1 hour per week; workshop: 1 x 1 hour per week; laboratories: 1 x 2 hours per week.

Prerequisites: Completion of all Part I units in the majors Chemical and Metallurgical Engineering, Environmental Engineering or Mineral Science.

Exclusions: Students who have successfully completed the unit PEC201/CHE201 Thermodynamics may not enrol in this unit for credit.

**Engineering Thesis (ENG460)**

Credit Points: 12

MURDOCH: DE2-internal, H-internal, S1-internal, SUM-internal, WU3-internal, Y-internal

This unit provides exposure to, and experience with, a significant engineering project, with emphasis upon industrially based projects. Typically this involves elements of specification, design, implementation, testing, documentation, demonstration and presentation. The unit is designed to bring together all aspects of the students knowledge, training and skills developed within Engineering. Each student is required to prepare a substantial thesis together with verbal presentation of the final result.

Meetings with Supervisor: as required.

Prerequisites: Permission of Engineering Academic Chair.

**English and the Curriculum (Secondary) (Major) (EDN413)**

Credit Points: 4

MURDOCH: S1-internal, S1-external

English is a vehicle to empower, negotiate and inspire. In this unit, the understanding of theoretical concepts will be developed to provide a solid foundation from which to effectively plan, teach and assess future students, in English (Secondary). This is done in alignment with the Australian Curriculum. A wide range of strategies and resources will be critiqued and implemented, in order to carefully scaffold and extend all your future students' skills and knowledge, and provide interesting and meaningful tasks.

Lectures: 1 hour per week.

Internal students: workshops: 1 x 1 hour (following the lecture) plus 1 x 2 hours

External students: 3 hours per week of online tasks.

Prerequisites: Successful completion of EDN112/EDN1121 Understanding Teachers' Work, and completion of, or enrolment in, EDN221 Learning and Teaching or EDN245/EDN545 Learning and Assessment Processes.

Students also should have completed a Foundation unit and at least three Part I English units and four Part II English units. These units should not be Creative Writing units.

For clarification of appropriate prerequisite units, contact the Unit Coordinator.

### **English and the Curriculum (Secondary) (Minor) (EDN313)**

Credit Points: 2

MURDOCH: S1-internal, S1-external

English is a vehicle to empower, negotiate and inspire. In this unit, the understanding of theoretical concepts will be developed to provide a solid foundation from which to effectively plan, teach and assess future students, in English (Secondary). This is done in alignment with the Australian Curriculum. A wide range of strategies and resources will be critiqued and implemented, in order to carefully scaffold and extend all your future students' skills and knowledge, and provide interesting and meaningful tasks.

Lectures: 1 hour per week, workshops: 1 hour per week (followed by an optional additional hour for those who wish to explore concepts further).

External students: 2 hours per week of online tasks.

Prerequisites: Enrolment in a teacher education course [either BEd (Secondary) or BEd (Secondary) (Graduate) or GradDipEd (Secondary)]; Successful completion of BED150/EDN112/EDN1121 Understanding Teachers' Work, and completion of or enrolment in EDN221 Learning and Teaching or EDN245/EDN545 Learning and Assessment Processes. Students also should have completed a Foundation unit and at least two Part I English units and one Part II English unit. These units should not be Creative Writing units. For clarification of appropriate prerequisite units, contact the Unit Coordinator.

### **English and the Curriculum A (Secondary 7 - 10) (EDN372)**

Credit Points: 3

Not available this year

### **English and the Curriculum B (Secondary 11 - 12) (EDN472)**

Credit Points: 3

Not available this year

### **English in the Primary Curriculum (EDN565)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

Contemporary research drives the core understandings, methods and strategies required to effectively plan, teach and assess English in primary classrooms. The content and resources are guided by national and state curriculum and the professional standards for teachers (graduate level). A diagnostic approach to the teaching of language, literature and literacy will be focus of the unit. Students will develop a balanced perspective of language acquisition theory and its impact across the language modes within the teaching/learning process.

Lectures: 1 hour per week; workshops: 2 hours per week; topic-based vod casts

Field work: diagnostic language testing and tasks with an identified primary-aged student (Assignment 2).

Prerequisites: Enrolment in the Master of Teaching (Primary); successful completion of EDN5501 Transition to Teaching, EDN561 Understanding the Learner and the Learning Environment; and co-enrolment in EDN564 Mathematics and the Primary Curriculum.

Exclusions: EDN2231 Teaching English and Literacy in Primary Schools.

### **Enterprise Architectures (ICT301)**

Credit Points: 3

Not available this year

This unit builds on the concepts of information systems and their management to which students were introduced in ICT158 and ICT292, exploring them in more depth, particularly in the context of enterprise level IT solutions such as virtualisation, SOA and SaaS. Students will be exposed to more specific IT control and service management frameworks such as COBIT and ITIL. Concepts associated with green computing will be explored. Students will work collaboratively to create a virtual enterprise information technology architecture.

Seminars: 1 x 2 hours per week; laboratories: 1 x 1 hour per week.

Prerequisites: ICT292 Information Systems Management

### **Entrepreneurship and Innovation Management (MBS629)**

*As for MBS673 except:*

Credit Points: 4

DUBAI-ISC: TMD-internal  
KAPLAN-SGP: TMA-internal  
SGP1: TJP-internal

Lectures/seminars/workshops: 3 hours per week.

Prerequisites: Enrolment in a graduate-level course.

### **Entrepreneurship and Innovation Management (MBS673)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit explores the development and management of start-up enterprises, focusing on commercialisation of new business ideas and new technologies. Topics include opportunity recognition and evaluation, the development of technological, operational and exit strategies, innovation practices and creativity, capital raising and network building. Students will work in small groups developing a feasibility plan to launch a new venture and learn how to pitch and sell their new business.

Lectures/seminars: 3 hours per week.

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students who have successfully completed MBS629 Entrepreneurship and Innovations Management may not enrol in this unit for credit.



**Environmental and Biological Modelling (MAS305)**

Credit Points: 4

MURDOCH: S1-internal, S1-external

This unit will examine in detail mathematical models of population ecology, biochemical kinetics, physiological problems, blood flow and spatial characteristics of the spread of pollutants and of disease as well as applications in groundwater flow and marine science (including ideas from basic oceanography). Mathematical techniques covered may include regular and singular perturbation theory, conservation laws and dimensional analysis, complex variables and partial differential equations. Numerical analysis will be incorporated throughout the unit as it is required.

Lectures: 3 x 1 hour per week; tutorials/computer laboratories: 1 hour per week.

Prerequisites: MAS208 Mathematical Modelling or MAS261 Mathematical Methods.

Exclusions: Students may not enrol in this unit and any of MAS164 Fundamentals of Mathematics, MAS161 Calculus and Matrix Algebra or MAS182 Applied Mathematics concurrently.

**Environmental and Biological Modelling (MAS351)***As for MAS305 except:*

Credit Points: 3

Not available this year

Lectures/tutorials: 4 hours per week.

Exclusions: Students who have successfully completed MAS305 Environmental and Biological Modelling cannot enrol in this unit for credit.

**Environmental Architecture Dissertation (PEC673)**

Credit Points: 9

MURDOCH: Y-internal, Y-external

This is a research-based project aimed at integrating environmentally sensitive building design and scientific analysis into practice. It enables the principles developed in the coursework component of the Master of Science in Environmental Architecture to be applied in order to further the knowledge of the field or develop advanced design competency on an environmentally sensitive building design.

No formal contact hours determined.

Prerequisites: Enrolment in Master of Science in Environmental Architecture.

**Environmental Assessment and Management (ENV557)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit explores the application of science to environmental assessment and management for environmental professional practice. Emphasis is given to environmental decision-making and public engagement. Techniques and challenges in environmental assessment and management at all scales of application from the local to regional, national and international level, and across a range of applications including protected area management, industry, government planning agencies and environmental impact assessment are addressed. Workshops and case studies enable practical, multidisciplinary and interactive learning.

4 x 1 Day (8 hours) lecture/workshop sessions.

Prerequisites: Enrolment in Bachelor Environmental Science or

Bachelor Marine Science or Graduate Certificate in Environmental Assessment and Management or Graduate Certificate in Protected Area Administration or Graduate Diploma in Energy and the Environment or Graduate Diploma in Environmental Science.

Exclusions: Students who have successfully completed ENV522 Environmental Assessment and Management may not enrol in this unit for credit.

**Environmental Engineering Design (ENG452)**

Credit Points: 3

Not available this year

**Environmental Management (ENV319)**

Credit Points: 4

MURDOCH: S2-internal, S2-external

This unit covers the procedures by which different environments can be managed for different objectives. Case studies illustrate environmental challenges and their management, and the unit takes a problem-solving approach. Selected case studies are used to define and understand environmental issues, determine management objectives and develop appropriate management strategies. Case studies may involve environmental management for nature conservation, recreation, or industrial production.

Lectures: 2 hours per week; tutorials: 2 hours per semester; practical work: 39 hours per semester.

External students should note that this unit has a compulsory week-long on-campus component during the 'non-teaching' weeks of semester 2. Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement of the teaching period.

Students will be engaged in the practical component of this unit to understand and conduct a comparative analysis of the environmental management practices of large organisations in Australia and internationally.

Prerequisites: Completion of at least 20 points at Part II.

**Environmental Management (ENV331)**

Credit Points: 3

Not available this year

This unit covers the procedures by which different environments can be managed for different objectives. Case studies illustrate environmental challenges and their management, and the unit takes a problem-solving approach. Selected case studies are used to define and understand environmental issues, determine management objectives and develop appropriate management strategies. Case studies may involve environmental management for nature conservation, recreation, or industrial production.

Lectures: 2 hours per week; tutorials: 2 hours per semester; practical work: 24 hours per semester.

All students should note that this unit has a compulsory three-day on-campus component during the 'non-teaching' weeks of semester 2.

Exclusions: Students who have successfully completed ENV319 Environmental Management may not enrol in this unit for credit.

**Environmental Monitoring (ENV558)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit provides a conceptual background to the design and implementation of environmental monitoring programs, and practical experience in the collection, analysis, interpretation and reporting of monitoring data. The unit considers physical, chemical, biological and social monitoring; and short and long term programs. Geographical information systems (GIS) and remote sensing are given special attention. While lectures provide background material, practical sessions are focused on applications using varied examples and data sets including use of the GIS software.

Lectures: 2 hours per week; laboratories/tutorials: 3 hours per week.

Prerequisites: Enrolment in Bachelor Environmental Science or Bachelor Marine Science or Graduate Certificate in Environmental Science or Graduate Certificate in Protected Area Administration or Graduate Diploma in Energy and the Environment or Graduate Diploma in Environmental Science.

Exclusions: Students who have successfully completed ENV505 Environmental Monitoring may not enrol in this unit for credit.

**Environmental Policy and Law (ENV328)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit is intended to introduce students to environmental policy and the role played by the legal system in environmental protection, planning and management. Students are introduced to the nature of legal systems and the consequent limitations and possibilities for the implementation of environmental policy. Emphasis is given to the Australian and particularly to the Western Australian situation. The development of written communication skills is a priority.

Lectures: 2 hours per week; workshops: 1 hour per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed ENV228 Environmental Policy and Law may not enrol in this unit for credit.

**Environmental Policy for the 21st Century (ENV616)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit explores environmental policy-making and implementation, particularly the influence of science. The focus is on developing policy relevant to the 21st century by recognising the demands and opportunities of this century. Environmental policy in Australia provides the core of the unit, however attention is also given to policy-making elsewhere. This unit provides insights into policies as an integral part of solutions to environmental problems.

Lectures: 2 hour per week; tutorials: 1 hour per week; student seminars: Up to 10 hours.

Prerequisites: Enrolment in Master-level qualification or Graduate Diploma in Energy and the Environment.

**Environmental Politics (POL285)**

Credit Points: 4

Not available this year

This unit examines the issue of the environment in Australian politics. Grounded in an introduction to green political theory, it poses questions about ecological democracy and citizenship. We consider the manner in which administrative rationality and economic rationality frame ecological priorities and policy dilemmas. Issues of federalism, the role of the law, green political parties, obligations to international protocols, and environmental issues in Asia are also included.

Up to 3 hours per week.

Prerequisites: Nil.

**Environmental Politics (POL385)**

Credit Points: 3

Not available this year

This unit examines the issue of the environment in Australian politics. Grounded in an introduction to green political theory, it poses questions about ecological democracy and citizenship. We consider the manner in which administrative rationality and economic rationality frame ecological priorities and policy dilemmas. Issues of federalism, the role of the law, green political parties, obligations to international protocols, and environmental issues in Asia are also included.

Prerequisites: Nil.

Exclusions: Students who have completed POL285 Environmental Politics may not enrol in this unit for credit.

**Environmental Restoration (ENV324)**

Credit Points: 4

MURDOCH: S1-internal, S1-external

Focuses on the repair of damaged ecosystems and aims to provide an understanding of the concepts and practice of restoration ecology. Study both site-based and landscape-scale restoration, including mine site rehabilitation, plant regeneration, revegetation, plant and animal reintroduction, and landscape design. Discuss restoration goals and techniques, the use of reference ecosystems, the concept of restoration thresholds and the design of resilient ecosystems. Also consider the broader socio-economic and decision-making contexts within which restoration activities take place.

Lectures: 2 hours per week; workshops: 1 x 3 hour during the semester.

Practical work (internal only): 3-day field trip to Rottnest Island and 1-day field trip around Perth region during the first non-teaching week.

Prerequisites: ENV268/ENV241 Ecology.

**Environmental Restoration (ENV334)****As for ENV324 except:**

Credit Points: 3

Not available this year

Lectures: 2 hours per week; workshops: 1 x 3 hour during the semester.

Practical work (internal only): 3-day field trip to Rottnest Island and 1-day field trip around Perth region during the first non-teaching week.

Prerequisites: ENV268/ENV241 Ecology.

Exclusions: Students who have successfully completed ENV324 Environmental Restoration may not enrol in this unit for credit.

### **Environmental Science Masters Project (ENV600)**

Credit Points: 8

MURDOCH: H-internal, H-external, Y-internal, Y-external

This unit involves students in a supervised, advanced investigation of a selected environmental science topic and is designed to complete the requirements for the Master of Science (Environmental Science). Research topics, generally applied in nature, will be chosen from a list of projects in consultation with the Unit Coordinator and proposed supervisor. The project runs over two semesters.

Tutorials: 6 hours per semester.

Prerequisites: Enrolment in MSc (Environmental Science), or other Masters courses with permission of the MSc (Environmental Science) Academic Chair.

### **Environmental Science Topics (ENV527)**

Credit Points: 3

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

This unit covers topics in environmental science with different themes offered each semester. Topics range from the management of the soil-plant system: land restoration following mining; the recreation ecology of soils and vegetation and managing visitor activity in protected areas. Other topics explore issues that pose challenges to environmental integrity in Australia and globally. This unit gives students the potential to extend their learning to encompass knowledge at the forefront of research in the environmental sciences.

In Semester 1, On campus laboratory and field component: 2 days (during the first non-teaching break); workshop: 3 hours during the semester.

In Semester 2, Lectures: 2 hours per week; workshops: 4 x 3 hour workshops during the semester.

Prerequisites: Enrolment in Bachelor of Marine Science or Graduate Certificate in Environmental Assessment and Management or Graduate Certificate in Environmental Science or Graduate Certificate in Protected Area Administration or Graduate Diploma in Environmental Science.

### **Environmental Technology for Sustainability (ENG300)**

Credit Points: 3

Not available this year

### **Environmental, Sustainability and Climate Change Law (LAW356)**

Credit Points: 4

MURDOCH: T1-internal

This unit reviews the various forms of legal control associated with environmental protection. It evaluates the comparative costs and benefits of private law and public law controls by reference not only to Australian but also to overseas models, particularly models heavily dependent on litigation.

27/1/15 to 1/2/2015 - 4.30pm to 9.30pm weekdays ; full day Saturday and Sunday

Prerequisites: LEG120 (prior to 2012)/LAW120 Research and Writing, LEG150 (prior to 2011)/LAW150 Australian Legal System, LAW152 Torts, LAW130 Criminal Law and Procedure, LAW260 Contract.

### **Environmental, Sustainability and Climate Change Law (LLB356)**

*As for LAW356 except:*

Credit Points: 3

Not available this year

Prerequisites: LEG120 (prior to 2012)/LAW120 Research and Writing, LEG150 (prior to 2011)/LAW150 Australian Legal System, LAW152 Torts, LAW130 Criminal Law and Procedure, LAW260 Contract.

Exclusions: Students who have completed LAW356 Environmental, Sustainability and Climate Change Law may not enrol in this unit for credit.

### **Epidemiological Studies: Design and Analysis (VET699)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit will provide students with the skills required to design, conduct and analyse epidemiological surveys.

Online discussions and workshops as required.

Prerequisites: Enrolment in Master of Veterinary Studies in Veterinary Surveillance, Master of Veterinary Studies in Conservation Medicine, Doctor of Veterinary Medical Science, Master of Veterinary Clinical Studies or permission of the Academic Chair.

### **Equine Medicine I (VET673)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit is aimed at veterinarians wanting to further develop their knowledge in the discipline of Equine Medicine. The focus of this unit will be diseases of the gastrointestinal tract. A problem-orientated approach will be utilised and content will include both common and uncommon diseases.

External.

Prerequisites: Enrolment into Master of Veterinary Clinical Studies or enrolment into Doctor of Veterinary Medical Science.

Students must have completed a minimum of 12 months of clinical equine practice since graduation.

### **Equine Medicine II (VET674)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit is aimed at veterinarians wanting to further develop their knowledge in the discipline of Equine Medicine. The focus of this unit will be diseases of the cardiopulmonary system. A problem-orientated approach will be utilised and content will include both common and uncommon diseases.

External.

Prerequisites: Enrolment into Master of Veterinary Clinical Studies or Doctor of Veterinary Medical Science.

Students must have completed a minimum of 12 months of clinical equine practice since graduation.

**Equine Nutrition and Health (ANS366)**

Credit Points: 3

MURDOCH: S2-internal

This unit will be taught by various experts in the field and will develop knowledge of the theory and practice of equine health and nutrition. Students will also gain an understanding of conformation, exercise physiology, digestion, environmental physiology, hoof/limb care, reproduction and dental care. Practical exercises will introduce students to components of selection, hoof care, dental care and nutritional management, and include field trips.

Lectures: 3 hours per week; practicals/field work: 3 hours per week.

Reflective journal. Group work to prepare a 10 minute oral/Powerpoint presentation on an aspect of 'equine physiological training'.

Prerequisites: ANS102 Introduction to the Animal Body OR BMS107 Foundations of Vertebrate Form.

Exclusions: Students who have successfully completed ANS362 Equine Nutrition and Health may not enrol in this unit for credit.

**Equine Physiology and Behaviour (ANS365)**

Credit Points: 3

MURDOCH: S1-internal

This unit will be taught by various experts in the field and will develop knowledge in the theory and practice of equine physiology, anatomy and behaviour. Students will also gain an understanding of the evolution of horses and human-equine interactions. Practical exercises will introduce students to components of sensory systems, anthropomorphism, ethology, behaviour, and learning theory, including field trips.

Lectures: 3 hours per week, practicals/field: 3 hours per week.

Reflective journal. Group work to prepare a 10 minute oral/Powerpoint presentation on an aspect of 'equine behavioural training'.

Prerequisites: BMS107 Foundations of Vertebrate Form and Function OR ANS102 Introduction to the Animal Body .

Exclusions: Students who have successfully completed ANS361 Equine Physiology and Behaviour may not enrol in this unit for credit.

**Equine Practice (VET454)**

Credit Points: 4

MURDOCH: YM-internal

The Equine Practice unit is designed to provide the veterinary student with the knowledge base required to be successful in clinical practice. This is a comprehensive course, which, while placing an emphasis on the common problems in equine practice, will also cover the interesting and not so common. The practical component will allow students to develop a basic proficiency in common diagnostic and therapeutic techniques.

Lectures: 5 x 1 hour per week; practicals: 24 hours.

Prerequisites: Enrolment in Applied Veterinary Medicine. Completion of VET459 Surgical Secrets, VET456 Anaesthesia, Emergency and Critical Care, VET462 Veterinary Diagnostic Imaging.

**Equine Practice, After-Hours and Diagnostic Imaging (VET580)***As for VET590 except:*

Credit Points: 6

Not available this year

**Equine Practice, After-Hours and Diagnostic Imaging (VET590)**

Credit Points: 3

MURDOCH: YM-internal

Equine Practice, After-hours and Diagnostic Imaging provides supported practical training across several areas of veterinary clinical practice including equine, emergency after-hours, and diagnostic imaging.

Approximately 50 contact hours per week of clinical training.

Prerequisites: Pass grades in VET419, VET451, VET453, VET454, VET455, VET457, VET458, VET459, VET463.

Teaching and assessment will commence up to 4 weeks prior to the start of S1 in any year and may conclude up to end of week five of S2.

**Equity (LLB251)**

Credit Points: 3

MURDOCH: S1-internal

This unit will introduce students to the equitable jurisdiction - its origin, purpose and operation. Students will learn about: the judicature system, equitable maxims, some of the most important doctrines (including equitable estoppel, undue influence, unconscionable transaction, fiduciary obligations and breach of confidence), selected equitable proprietary interests and equitable remedies (including specific performance, injunctions, declarations, equitable compensation and damages in equity). This unit focuses on the role of equity and equitable doctrines in the law of obligations and property law.

Lectures: 24 hours per semester; tutorials/workshops: 5 hours per semester.

Prerequisites: Successful completion of all Part 1 LLB (2014 on) core units, BJU100 Australian Legal Systems, BJU150 Law in Context OR successful completion of all Part 1 LLB (pre 2014) core units; successful completion/concurrent enrolment in LAW260 Contract or LLB260 Contract Law.

Exclusions: Students who have successfully completed LAW351 Equity and Trusts may not enrol in this unit for credit.

**Equity and Trusts (LAW351)**

Credit Points: 4

MURDOCH: S2-internal

Topics: Doctrines of equity: the law of fiduciary obligations, equitable estoppel assignments, unconscionable conduct and the protection of confidential information; Equitable remedies: specific performance, injunctions, constructive trust, declarations and equitable damages and compensation; Elements of trust law: various kinds of trust; duties, powers and rights of trustees; consequences of breach of trust.

Lectures: 4 hours per week; tutorials/workshops: up to 10 hours per semester.

Prerequisites: LEG120 (prior to 2012)/LAW120 Research and Writing/LAW120 Legal Writing for Lawyers, LEG150 (prior to 2011)/LAW150 Australian Legal System, LAW152 Torts, LAW130 Criminal Law and Procedure, and LAW260 Contract.

### Essentials of Pharmacology and Chemotherapy (BMS317)

As for BMS365 except:

Credit Points: 3

Not available this year

Lectures: 4 hours per week; tutorials/workshops/seminars: 2 hours per week.

Practicals are intended to provide real world application. One example includes calculating drug doses and then working with tablets, needles and syringes to obtain the drugs into forms ready for administration and/or dispensing. Another example is a practical where spectrophotometry is used to determine drug concentrations. This information is then used to investigate the suitability for market of a hypothetical drug.

Prerequisites: BMS264/BMS206 Biomedical Physiology and BIO270/BIO247 Biochemistry I.  
Recommended: BIO252/BIO243 Immunology, Vaccines and Cell Culture.

Exclusions: Students who have successfully completed BMS365 Essentials of Pharmacology and Chemotherapy may not enrol in this unit for credit.

### Essentials of Pharmacology and Chemotherapy (BMS365)

Credit Points: 4

MURDOCH: S1-internal

This unit provides an introduction to the principles of pharmacology which is followed by the systematic study of the drugs that are used for common conditions. This includes antibiotics and the drugs of the autonomic nervous system, drugs that act centrally and those that interact with autacoids, and the renal and cardiovascular systems. Components of the unit will be presented using lectures, practicals, workshops and seminars.

Lectures: 5 hours per week; tutorials/workshops/seminars: 3 hours per week.

Practicals are intended to provide real world application. One example includes calculating drug doses and then working with tablets, needles and syringes to obtain the drugs into forms ready for administration and/or dispensing. Another example is a practical where spectrophotometry is used to determine drug concentrations. This information is then used to investigate the suitability for market of a hypothetical drug.

Prerequisites: BMS264/BMS206 Biomedical Physiology and BIO270/BIO247 Biochemistry I.  
Recommended: BIO252/BIO243 Immunology, Vaccines and Cell Culture.

### Ethical Challenges of Contemporary Societies (SWM621)

Credit Points: 3

MURDOCH: S2-internal

This unit focuses on some of the most pressing contemporary ethical questions. Students will develop their analytic and critical thinking skills through examining problems from a moral point of view and by practising ethical arguments. The topics covered include the moral status of states and business corporations, individual and collective responsibility, tragedies of the commons and environmental degradation, ethical issues arising from climate change, questions of global justice, the problem of world poverty, and the moral permissibility of military interventions.

Seminars and workshops are delivered in intensive teaching mode (24 hours contact time), which may include evenings and

weekends. Students will then complete research assignments independently, in consultation with teaching staff.

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students who have successfully completed SSH621 Professional Ethics may not enrol in this unit for credit.

### Ethics (THE624)

Credit Points: 3

MURDOCH: S1-internal, S1-external

An introduction to the principal patterns of theological reflection on the moral dimension of life and their relation to moral philosophy. Particular attention will be given to the ideas of natural law, the will of God, conscience and responsibility, and to the ethical significance of faith, hope and love. Moral issues of continuing and current concern will be considered in the light of the different patterns of thought and ideas, especially in the tutorial sessions.

Seminars: 2 hours per week

Prerequisites: Enrolment in graduate level study.

### Ethics and Jurisprudence (CHI581)

Credit Points: 2

MURDOCH: T2-internal

This unit integrates chiropractic practice with appropriate professional ethics required of primary contact health professionals. It includes ethical considerations of the rights and responsibilities of both the practitioners and the patients. Emphasis is placed on risk management, informed consent, record keeping, legal issues in health care, ethics in general and principles of medical ethics, the patient-doctor relationships, and writing a medical-legal report.

Lectures: 2 hours per week; workshops: 2 hours per week.

Prerequisites: Completion of BSc (Chiropractic) or permission of the Academic Chair.

### Ethics and Professional Responsibility (LAW468)

Credit Points: 4

MURDOCH: S2-internal

This unit has been introduced to fulfil the admission requirements of the Legal Practice Board of Western Australia. It introduces students to the elements of ethics, ethical reasoning and practical decision-making in relation to contemporary concerns about public, professional and personal ethical responsibility in the workplace, community and global contexts. The unit also focuses on the application of legal ethics in the practice of law, and the responsibilities of lawyers in their interactions with clients and the wider community.

Lectures/workshops: 3 hours per week.

Prerequisites: LEG120 (prior to 2012)/LAW120 Research and Writing; LEG150 (prior to 2011)/LAW150 Australian Legal System; LAW152 Torts; LAW130 Criminal Law and Procedure; LAW260 Contract; LAW258 Australian Administrative Law; LAW259 Constitutional Law; LAW253 Property; LAW252 Evidence. Students are advised that this unit should be taken in the last year of enrolment.



**Ethics and Professional Responsibility (LLB468)***As for LAW468 except:*

Credit Points: 3

Not available this year

Prerequisites: LEG120 (prior to 2012)/LAW120 Research and Writing; LEG150 (prior to 2011)/LAW150 Australian Legal System; LAW152 Torts; LAW130 Criminal Law and Procedure; LAW260 Contract; LAW258 Australian Administrative Law; LAW259 Constitutional Law; LAW253 Property; LAW252 Evidence. Students are advised that this unit should be taken in the last year of enrolment.

Exclusions: Students who have completed LAW368 Ethics and Professional Responsibility may not enrol in this unit for credit.

**Ethics, Jurisprudence and Professional Practice Management (CHI467)**

Credit Points: 3

Not available this year

**Europe Under the Dictators (HIS259)**

Credit Points: 3

Not available this year

Lectures: 1.5 hours per week; tutorials: 1 hour per week.

**European Union Law (LLB342)**

Credit Points: 3

IMACERATA: S2G-internal

Introduces students to the legal system of the European Union (EU) with emphasis on the constitutional, administrative and commercial aspects. The political and economic origins of the EU will also be discussed, along with the relationship between Community Law and the laws of the member States, and the free movement of goods, workers, capital and services. The unit will concentrate on the transnational protection of economic and social rights and the jurisprudence of the European Court of Justice.

Contact the School of Law for further information.

Prerequisites: The equivalent of two years of full-time study towards an LLB.

Concurrent enrolment in LAW258/LLB358 Australian Administrative Law, if not already completed.

The S2G enrolment option for this unit is offered as part of the European Summer Program in Law, hosted at the University of Macerata, Italy. Enrolment in this program is by application to the program Director, and applications require payment of a non-refundable deposit. Students enrolling in the program are responsible for their own airfares, accommodation and incidental expenses during the program. Contact the School of Law for further information.

**Events Internship (SSH302)**

Credit Points: 8

MURDOCH: S2-internal

This unit gives students the opportunity to consolidate their theoretical knowledge and develop their professional competence in the workplace. The learning experience takes place primarily outside the classroom with students having the opportunity to participate in real world event management experiences related to their studies, supported by a school academic supervisor and a workplace supervisor. Students who have completed the practicum unit will gain valuable event management experience which is likely

to enhance their employability and prospects for promotion.

Workshops: up to 6 x 2 hours during the semester; work-based placement.

Prerequisites: Must have completed TOU304 Events, Policy and Evaluation.

This unit should be studied in the final semester.

**Events Internship (TOU305)***As for SSH302 except:*

Credit Points: 6

Not available this year

**Events, Policy and Evaluation (TOU304)**

Credit Points: 4

MURDOCH: S1-internal, S1-external

KAPLAN-SGP: TMA-internal

Managing events and festivals is an eclectic task, from event design and marketing to managing visitors and the community.

Appropriate planning accounts for the impacts, positive and negative, of the event or festival on the community, business and the visitors. A key aspect of this evaluation of the event and the inclusion of that knowledge in development of policy at the local, state and national government levels.

Lectures/tutorials/workshops: 3 hours; lectures may be streamed using Lectopia.

Prerequisites: TOU212 Festivals and Events.

Exclusions: Students who have previously completed TOU304 Events and Festivals Management cannot enrol in this unit for credit.

**Events, Policy and Evaluation (TOU324)***As for TOU304 except:*

Credit Points: 3

Not available this year

Prerequisites: TOU221 Sustainable Tourism

**Evidence (LAW252)**

Credit Points: 4

MURDOCH: S2-internal

This unit, which spans both the Commonwealth and Western Australian jurisdictions, deals with the rules affecting the admissibility of evidence and the examination of witnesses. These rules will be explored within the framework of the trial process. For assessment in the unit students will be required to interpret the statutes relevant to each jurisdiction and apply them in the construction of a trial. The unit also introduces students to the Professional Conduct Rules and the ethical obligations governing practitioners.

Lectures: 4 hours per week; tutorials/workshops: 5 hours per semester:

Prerequisites: Nil.

**Evidence (LLB352)****As for LAW252 except:**

Credit Points: 3

Not available this year

Prerequisites: Nil.

Exclusions: Students who have completed LAW252 Evidence may not enrol in this unit for credit.

**Evidence-Based Clinical Practice (VET694)**

Credit Points: 3

MURDOCH: S1-external (quota of 30 places)

This unit explores the application of evidence-based practices in areas of veterinary clinical problem solving such as the diagnosis and treatment of disease. Students will develop skills in diagnostic reasoning and learn about diagnostic error. Students will learn how to critically evaluate clinical case reports and research papers and understand how to use this information when making clinical management decisions.

External. Arrangements made with the Unit Coordinator.

Prerequisites: Enrolment in the Master of Veterinary Studies (Small Animal Practice) (M1022) or Master of Veterinary Clinical Studies (M1223) or Master of Veterinary Studies (Conservation Medicine) (M1122) or Research Masters (with Training) or Doctor of Veterinary Medical Science (D1061) programs.

For students enrolled in the Master of Veterinary Studies (Small Animal Practice) (M1022) this unit must be taken within the first year or within the first 6 points of enrolment in the course.

This unit is subject to quota. Quota is due to limited resources. Students must be enrolled in the College of Veterinary Medicine's postgraduate or graduate courses.

**Evidence-based Practice (CHI385)**

Credit Points: 2

MURDOCH: S2-internal

Evidence-based practice (EBP) combines best scientific evidence, clinical experience and patient values. This unit provides an opportunity to refine the student's ability to perform literature searches, critically review the literature and apply the evidence derived to relevant clinical scenarios. The unit recognises that health care is individualised and ever changing and involves uncertainties and probabilities. Students learn that EBP involves complex and conscientious decision making. This unit uses the Internet heavily to source information partly in dedicated computer laboratories.

Lectures: 2 hours per week; project work/seminars: 2 hours per week.

Prerequisites: Enrolment in BSc/BChiro and successful completion of Years 1 and 2 OR enrolment in the Bachelor of Sports Science and successful completion of Part I and CHI209/CHI2091 Biomechanics and Diagnostic Palpation Skills OR by special application to the Unit Coordinator.

**Evolutionary Biology (BIO379)**

Credit Points: 3

Not available this year

This unit provides an in-depth analysis of evolutionary concepts, which are the unifying principles in modern biology. It focuses on the theoretical basis of evolution and explores how evolution can be studied. Topics include: evolutionary strategies in survival and reproduction, the evolution of breeding systems, sexual selection patterns of macroevolution and mass extinction, biogeography,

phylogeny and coevolution. Students will develop their skills in conceptual and critical thinking, ability to integrate information across all biological disciplines and essay writing skills.

Lectures: 1 every week; tutorials: 2 hours every second week.

Prerequisites: BIO356/BIO372 Genetics and Evolution.

**Exercise Physiology I (EXS202)**

Credit Points: 3

MURDOCH: S1-internal

This unit focuses on five basic fundamentals of exercise physiology. Course material will be presented in both a lecture and laboratory series focusing on: 1) metabolism and exercise, 2) cardiovascular response to exercise, 3) pulmonary response to exercise, 4) the muscular system and movement, 5) hydration and thermoregulations, 6) VO<sub>2</sub>max and fitness, and 7) enhancing fitness and health through physical activity.

Lectures/tutorials: 2 hours; laboratories: 2 hours.

Prerequisites: BMS101 Introduction to the Human Body or EXS102 Human Physiology.

Exclusions: Students who have already successfully completed EXS226/CHI226 Exercise Physiology I may not enrol in this unit for credit.

**Exercise Physiology II (EXS302)**

Credit Points: 3

MURDOCH: S2-internal

This unit will discuss physiological responses to exercise and exercise training and detraining. This unit will incorporate physiological responses to exercise in special populations, special environments and in response to dietary supplements and changes in diet. The students' outcomes will address these responses from a molecular, cellular, tissue, organ and systems perspective, and will then integrate each of these levels to describe the overall changes occurring within the body. This unit will involve theory based presentations and practical lab demonstrations.

Prerequisites: CHI226/EXS226/EXS202 Exercise Physiology I.

Exclusions: Students who have successfully completed CHI/EXS227 Exercise Physiology II may not enrol in this unit for credit.

**Exercise Physiology Practicum (EXS409)**

Credit Points: 6

Not available this year

The student will develop their 'hands on' training and experience within this unit. This unit will enable students to work alongside health professionals, and in particular, ESSA accredited Exercise Physiologists. This unit will enable the student to see the transfer of knowledge from the classroom into the workplace, with the specific emphasis being on the delivery of exercise to clinical populations. This unit is a year-long practicum unit.

Two workshops.

360 hours of clinical placements.

Prerequisites: CHI208/EXS208 Health, Fitness and Performance Assessment, CHI318/EXS318 Exercise Programming and Prescription, CHI227/EXS227 Exercise Physiology 2, CHI328/EXS328 Physical Assessment and Rehabilitation, CHI330/EXS330 Advanced Skills and Motor Control, CHI390/EXS390 Exercise Science Practicum.

Exclusions: Students who have successfully completed CHI570/EXS570 Exercise Physiology Practicum may not enrol in this unit for credit.

A result of Ungraded Pass or Fail is awarded for this unit.

### Exercise Physiology Practicum (EXS570)

Credit Points: 12

MURDOCH: Y1-placement

Students will develop their 'hands on' training and experience within this unit. This unit will enable students to work alongside health professionals and, in particular, ESSA accredited Exercise Physiologists. This unit will enable the student to see the transfer of knowledge from the classroom into the workplace, with the specific emphasis being on the delivery of exercise to clinical populations. This unit is a year-long practicum unit.

Students must complete a minimum of 360 hours in a clinical setting in accordance with the Exercise and Sports Science Australia (ESSA) requirements. This will be arranged in consultation with the Unit Coordinator.

Prerequisites: CHI208/EXS208 Health, Fitness and Performance Assessment, CHI318/EXS318 Exercise Programming and Prescription, CHI227/EXS227 Exercise Physiology, CHI328/EXS328 Physical Assessment and Rehabilitation, CHI330/EXS330 Advanced Skills and Motor Control, CHI390/EXS390 Exercise Science Practicum.

Exclusions: Students who have successfully completed CHI570 Exercise Physiology Practicum may not enrol in this unit for credit.

A result of Ungraded Pass or Fail is awarded for this unit.

### Exercise Science Practicum (EXS309)

Credit Points: 3

Not available this year

Students will be able to experience the requirements of employment in an exercise physiology-related workplace during practicum placements. Students will utilise knowledge and skills gained in previous years during supervised practicum in the area of exercise delivery for apparently healthy clients. Communication and professionalism skills will also be developed in this unit.

Seminars/workshops: 1 hour per week in Week 1 of Semester 1; practicum: A minimum of 140 hours to be completed over the duration of this unit.

Prerequisites: CHI225/EXS225/EXS103 Principles of Strength and Conditioning; and CHI208/EXS208/EXS203 Sports and Health Assessment.

Exclusions: Student who have successfully completed CHI390/EXS390 Exercise Science Practicum may not enrol in this unit for credit.

This unit was created for students undertaking the double major Sport and Health Science and Movement Science.

A result of Ungraded Pass or Fail is awarded for this unit.

### Exercise Science Practicum (EXS390)

Credit Points: 4

MURDOCH: H-placement, Y-placement

Students will be able to experience the requirements of employment in an exercise physiology related workplace during practicum placements. Students will utilise knowledge and skills gained in previous years during supervised practicum in the area of exercise delivery for apparently healthy clients. Communication and professionalism skills will also be developed in this unit.

Seminars/workshops: 1 hour per week in Week 1 of Semester 1; Practicum: A minimum of 140 hours to be completed over the duration of this unit.

Prerequisites: CHI225/EXS225 Principles of Strength and Conditioning and CHI208/EXS208 Sports and Health Assessment.

Exclusions: Student who have successfully completed CHI390 Exercise Science Practicum may not enrol in this unit for credit.

A result of Ungraded Pass or Fail is awarded for this unit.

### Exercise, Programming and Prescription (EXS303)

Credit Points: 3

Not available this year

This capstone unit will build on previous study focused on client and athlete assessment. Students will learn how to develop exercise programs and prescriptions for health-related benefits in apparently healthy and low-risk individuals as well as individuals with various health conditions. Student will utilise knowledge and skills gained throughout the Sports and Health Science Major to design and implement individualised exercise and lifestyle programs whilst developing a capstone project demonstrating and applying that knowledge in the real world.

Lectures: 2 hours per week; laboratories: 2 hours per week.

Prerequisites: EXS203 Health, Fitness and Performance Assessment or CHI208 Health, Fitness and Performance Assessment and EXS202 Exercise Physiology I or CHI226 Exercise Physiology I and EXS103 Strength and Resistance Training; or EXS225 Strength and Resistance Training or CHI225 Principles of Strength and Conditioning.

### Exercise, Programming and Prescription (EXS318)

Credit Points: 4

MURDOCH: S1-internal

This unit will build on previous study focused on client and athlete assessment. Students will learn how to develop exercise programs and prescriptions for health-related benefits in apparently healthy and low-risk individuals as well as individuals with various health conditions. Student will utilise knowledge and skills gained in previous years to design and implement individualised exercise and lifestyle programs.

Lectures: 2 hours; laboratories/workshops: 2 hours.

Prerequisites: CHI208/EXS208 Health, Fitness and Performance Assessment and EXS202 Exercise Physiology I or CHI226 Exercise Physiology I and CHI225/EXS225 Principles of Strength and Conditioning or EXS103 Strength and Resistance Training

Exclusions: Student who have successfully completed CHI318 Exercise, Programming and Prescription may not enrol in this unit for credit.

### Existence and Freedom (PHL207)

Credit Points: 3

Not available this year

If you had to live one day over and over forever, what would you do? Satisfying answers contend with issues that trouble everyone's lives: as sense of home in a rootless world, anxiety against uncertainty, alienation in a crowded society, giving your own life meaning, freedom to break with your own past, and being in good faith with your own future. Our reading will take in 19th and 20th Century Existentialists, such as Dostoevsky, Nietzsche, Heidegger, Kafka, Camus, and Sartre.

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Internal students complete two 45 minute quizzes, one in mid-term, one at end of term; external students complete a final exam.

Exclusions: Students who have successfully completed PHL201

Existence and Freedom may not enrol in this unit for credit.

### Experimental Physics and Nanotechnology (PEC363)

Credit Points: 4

MURDOCH: S2-internal, S2-external

This unit will provide students with an excellent opportunity to gain hands on experience with advanced instrumentation used in Physics and Nanoscience/Nanotechnology. This includes experience in using a variety of surface science equipment, electron microscopes and scanning, tunnelling microscopy and atomic force microscopy. Students will also be taught various advanced technology used in the manufacture and purification of nanostructured materials.

Lectures: 1 hour per week; tutorials: 1 hour per week; laboratories: 4 hours per week for 10 weeks.

Prerequisites: PEC261 Applications of Nanotechnology.

### Experimental Physics and Nanotechnology (PEN363)

*As for PEC363 except:*

Credit Points: 3

Not available this year

### Extension to Veterinary Biology 1 (EQU031)

MURDOCH: S1-internal

This unit extends and consolidates the students' discipline specific study skills and understanding of VET240 Veterinary Anatomy, VET241 Veterinary Biochemistry and VET244 Veterinary Physiology.

Tutorials: 8 hours per week.

Prerequisites: This unit is restricted to Aboriginal and Torres Strait Islander students entering Veterinary Science through the Waardong program.

### Extension to Veterinary Biology 2 (EQU032)

MURDOCH: S2-internal

This unit extends and consolidates the student's discipline specific study skills and understanding of VET212 Veterinary Anatomy II, VET243 Veterinary Physiology II, and VET242 Animal Systems.

Tutorials: 8 hours per week.

Prerequisites: This unit is restricted to Aboriginal and Torres Strait Islander students entering Veterinary Science through the Waardong program.

### Extension to Veterinary Biology 3 (EQU033)

MURDOCH: S1-internal

This unit extends and consolidates students' discipline specific skills and understanding of VET340 Processes in Animal Disease, VET345 Veterinary Pharmacology and Chemotherapy and VET346 Nutritional Biochemistry and Animal Toxicology.

Tutorials: 8 hours per week.

Prerequisites: This unit is restricted to Aboriginal and Torres Strait Islander students who entered Veterinary Science through the Waardong program.

### Extension to Veterinary Biology 4 (EQU034)

MURDOCH: S2-internal

This unit extends and consolidates students' discipline specific skills and understanding of VET344 Veterinary Parasitology, VET347 Veterinary Immunology and Molecular Genetics and VET341 Veterinary Microbiology.

Tutorials: 8 hours per week.

Prerequisites: This unit is restricted to Aboriginal and Torres Strait Islander students who entered Veterinary Science through the Waardong program.

### Extension to Veterinary Biology 5 (EQU035)

MURDOCH: S1-internal

This unit extends and consolidates students' discipline specific skills and understanding of VET343 Veterinary Applied Pathology, VET345 Veterinary Pharmacology and Chemotherapy and VET442 Animal Systems III.

Tutorials: 8 hours per week.

Prerequisites: This unit is restricted to Aboriginal and Torres Strait Islander students who entered Veterinary Science through the Waardong program, and are in the third year of the veterinary course.

### Extractive Metallurgy (EXM357)

Credit Points: 4

MURDOCH: S2-internal, S2-external

This unit considers the principles and applications of hydrometallurgical and pyrometallurgical processing to produce metals and value added products relevant to local/global industry. The application of pre-treatment, leaching, solution purification and metal recovery to the hydrometallurgical processing of metals, ores, and concentrates is covered. Pyrometallurgical processes such as roasting, smelting and refining are also examined. Application of thermodynamic and kinetic concepts, fluid dynamics and heat- and mass-transfer principles to extractive metallurgy are considered and demonstrated using laboratory exercises.

Lectures: 1 x 2 hours and 1 x 1 hour per week; laboratories/workshops: up to 4 hours per week.

External: Unit Study Guide provided. Internet access and compulsory 3-day on-campus laboratory session. Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of each teaching period.

Prerequisites: CHE/PEC201 Thermodynamics and EXM224 Principles of Unit Operations, or enrolment in G1034 Graduate Diploma in Extractive Metallurgy.

### Extractive Metallurgy I (ENG527)

Credit Points: 3

MURDOCH: S1-internal, S1-external

Covers high temperature metallurgical processes such as roasting, smelting and refining. The relevant unit processes are examined through consideration of: thermodynamics and kinetics of interactions which occur among individual phases (i.e. gases, solids, metals, mattes and slag), fluid dynamics, heat-transfer and mass transfer characteristics, different reactors and techniques used to carry out these processes. References to industrial practice for production of materials such as copper, nickel, zinc, lead, gold, aluminium, tin, silicon, iron and steel will be made.

Lectures: 3 hours per week.

Prerequisites: Students need to have completed EXM524/ENG524 Metallurgical Unit Operations and ENG565 Mineralogy for Metallurgists prior to enrolling in this unit.

Exclusions: Students who have completed EXM302/EXM505 Advanced Mineral Processing or ENG325 Pyrometallurgy are not eligible to enrol in this unit for credit.

### Extractive Metallurgy II (ENG528)

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit covers metallurgical processes taking place in an aqueous environment. It considers the principles and applications of pre-treatment, leaching, solution purification and concentration using solvent extraction, ion exchange, carbon adsorption, precipitation and metal recovery using electrowinning/refining for the production of metals or value added commodities using hydrometallurgical processing of ores and concentrates. It also considers practical industrial processes, and discusses overall processes for the recovery of gold, copper, nickel, uranium etc. related to the Australian and global mineral industry.

Lectures: 3 hours per week.

Prerequisites: Students need to have completed ENG524 Metallurgical Unit Operations and ENG565 Mineralogy for Metallurgists prior to enrolling in this unit.

Exclusions: Students who have completed EXM357/EXM557 Extractive Metallurgy or ENG326 Hydrometallurgy are not eligible to enrol in this unit for credit.

### Facilitating Lifelong Learning (EDN540)

Credit Points: 6

MURDOCH: S1-internal, S1-external

Promotes an understanding of what facilitates adult and lifelong learning in education and work. Students develop knowledge and skills for reflective professional practice and action research. Cognitive and sociocultural approaches to understanding learning and motivation are introduced as the conceptual basis for designing effective instruction, mentoring, team work, course evaluation and assessment of learning. In the 6-point version, students also focus on their professional development as adult educators.

Internal: workshops: 1 x 3 hours per week

External: No attendance required. Some on-campus meetings will usually be available.

Prerequisites: Enrolment in a graduate level course (or higher) or final year of undergraduate enrolment in an education course with permission of unit coordinator.

Exclusions: Students who have successfully completed E246/E2461 Facilitating Lifelong Learning OR EDU240/2401/440 Facilitating Lifelong Learning may not enrol in this unit for credit.

### Family Law (LAW370)

Credit Points: 4

MURDOCH: S2-internal

This unit introduces students to the state and federal laws that regulate the formation and dissolution of legal and de facto marriages and which assist in resolving ancillary disputes. Topics covered include: marriage, divorce, parentage, parenting disputes, property settlement, child support and spousal maintenance. In particular, we consider in detail the interpretation of the most important aspects of the Family Law Act 1975 (Cth).

36 hours per semester (this may be 3 hours per week but alternatively may be spread across the semester in irregular

intensive blocks).

Prerequisites: LEG120 (prior to 2012)/LAW120 Research and Writing, LEG150 (prior to 2011)/LAW150 Australian Legal System, LAW152 Torts, LAW130 Criminal Law and Procedure, LAW260 Contract, LAW259 Constitutional Law and LAW253 Property.

### Family Law (LLB370)

As for LAW370 except:

Credit Points: 3

Not available this year

Prerequisites: LEG120 (prior to 2012)/LAW120 Research and Writing, LEG150 (prior to 2011)/LAW150 Australian Legal System, LAW152 Torts, LAW130 Criminal Law and Procedure, LAW260 Contract, LAW259 Constitutional Law and LAW253 Property.

Exclusions: Students who have enrolled in LAW370 Family Law may not enrol in this unit for credit.

### Family Law Clinic (LAW386)

Credit Points: 4

MURDOCH: S1-internal, S2-internal

This unit is a clinical legal education unit which allows students to put their legal knowledge into practice within an active community-based family law practice. Students will interview clients, research and formulate advice and assist the client in mediation and other legal processes all under the close supervision of our family law practitioners.

Weekly attendance at the clinic and seminar program, to be arranged with Course Coordinator.

Please contact the Unit Coordinator for further information.

Prerequisites: LEG120 (prior to 2012)/LAW120 Research and Writing, LEG150 (prior to 2011)/LAW150 Australian Legal System (mandatory) and LAW390 Clinical Legal Education (preferable).

### Family Law Clinic (LLB386)

As for LAW386 except:

Credit Points: 3

Not available this year

Prerequisites: LEG120 (prior to 2012)/LAW120 Research and Writing, LEG150 (prior to 2011)/LAW150 Australian Legal System (mandatory) and LAW390 Clinical Legal Education (preferable).

Exclusions: Students who have completed LAW386 Family Law Clinic may not enrol in this unit for credit.

### Festivals and Events (TOU212)

Credit Points: 4

KAPLAN-SGP: TJA-internal, TSA-internal

Festivals and events have a particular 'place' in the life of the community, state or country. They serve diverse purposes from community development, religious and leisure activities through to economic development and tourism marketing. From a local street fair to the Olympics, festivals and events all mean something to people, they are part of the arts and culture. This unit will explore the 'place' of festivals and events historically and how they are used in contemporary societies.

Lectures/tutorials: 3 hours. Note: lectures may be streamed using Lectopia.

Prerequisites: Nil.

**Festivals and Events (TOU232)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

The aims of this unit are to gain an understanding of the complexities of Event Studies. It examines the application of theoretical frameworks from the field and also gives experience in the planning and analysis of various event types. Events ranging from the community level to the global are used as case studies and students are also expected to design their own community event as part of the assessment process.

Lectures: 2 x 1 hour; tutorials: 1 x 1 hour weekly.

Prerequisites: Nil.

**Finance Law (BSL201)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit examines areas of particular relevance to the finance and banking industries. Topics studied include key Australian financial system regulators, fundraising by issue and sale of securities, managed investment schemes, loan finance, regulation of consumer credit, debenture and note finance and takeovers, Anti-money laundry provisions. Regulation of financial services and markets and the financial services licensee/client relationship are also a focus.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil.

Exclusions: Students who have previously completed C210 Banking Law or BUS206 Finance Law may not enrol in this unit for credit.

**Finance Law (BUS206)**

Credit Points: 4

DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TJA-internal, TSA-internal  
SGP1: TJB-internal, TSB-internal

This unit examines areas of particular relevance to the finance and banking industries. Topics studied include key Australian financial system regulators, fundraising by issue and sale of securities, managed investment schemes, loan finance, regulation of consumer credit, debenture and note finance and takeovers. Regulation of financial services and markets and the financial services licensee/client relationship are also a focus.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: BUS165 Principles of Commercial Law.

**Financial Management Decision Making (MBS536)**

Credit Points: 3

MURDOCH: S1-internal

Any organisation needs sound financial management of its working capital and productive assets in order to create value and organisational agility consistent with organisational strategy. Budgeting is an important component of financial management establishing clear financial goals and providing a benchmark for judging financial performance. This unit takes an interdisciplinary approach that includes both Management Accounting and Corporate Finance concepts to introduce students to a range of topics designed to enhance their skills in planning, control and decision-making.

Seminars and workshops are delivered in intensive teaching mode (24 hours contact time), which may include evenings and weekends. Students will then complete research assignments independently, in consultation with teaching staff.

Prerequisites: Enrolment in a graduate-level course.

**Financial Management in Health Care (SHP639)**

Credit Points: 3

MURDOCH: S1-external

This unit is designed to foster knowledge and understanding of concepts, principles and practices of health care funding and how this translates to financial management in a range of health care settings. Students will develop an understanding of effective and practical approaches to financial management and how this is linked to organisational strategy and sustainability. The unit explores financial management in healthcare at the strategic funding level, the organisational level and at the manager level.

External: No attendance required

Prerequisites: Enrolment in a Graduate course.

Exclusions: Students who have successfully completed NUR639 Financial Management in Health Care may not enrol in this unit for credit.

**Financial Management, Mineral Resources and Environment (CHE459)**

Credit Points: 6

MURDOCH: S1-internal

This unit will cover origin and mineralogical characteristics of ore types; techniques of mining, resource and reserve estimation, feasibility studies; review the minerals industry and metal markets; environmental management; heritage studies; and provide opportunities for developing communication, information access and teamwork skills. This unit will provide elementary understanding of financial management, interpretation of financial statements, estimation of income, capital and operating costs, estimation of real after-tax cash flows, ranking of alternative investment proposals utilising DCF techniques and sensitivity analyses.

Lectures: 1 x 2 and 1 x 1 hours per week; workshop/laboratories: 1 x 2 hours per week.  
Internet access required.

Prerequisites: Enrolment in this unit requires completion of ENG193 Introduction to the Minerals Industry and all second and third year core units of B1185 Bachelor of Extractive Metallurgy or permission of the Unit Coordinator.

Exclusions: Students who have successfully completed M254 Mineral and Energy Resources may not enrol in this unit for credit. Students who have successfully completed both EXM225 Financial Management and Process Economics and EXM355 Mineral Resources and Environment may not enrol in this unit for credit. Students who have completed one of EXM225 Financial Management and Process Economics and EXM355 Mineral Resources and Environment should contact the Academic Chair.

**Fingerprinting and Impression Evidence (BIO598)**

Credit Points: 3

MURDOCH: S2-internal

This unit prepares students for laboratory and scene-based recognition, documentation, preservation, collection and analysis of latent fingerprints and other categories of impression evidence. Enhancement and other visualization techniques will be emphasized together with a discussion of criminal database searches. New metabolomic approaches to the determination of the age, sex, diet, drug ingestion and metabolic state of an individual, as derived from the analysis of a latent fingerprint, will be introduced as a potential aid to identification of perpetrators of crime.

Lectures: 1 hour per week; lecture/workshops: 2 hours per week; laboratory sessions: 3 hours per week

Prerequisites: Enrolment in the Graduate Certificate in Forensic Science (Professional Practice)

### Fluid Mechanics (ENG201)

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit introduces the following: the analysis of fluids through the application of conservation of mass and energy laws, and momentum balance; different characteristics of fluid, the concept of pressure and head; the concept of fluid flow and the applications of momentum and energy equations; dimensional analysis and behaviour of real fluids and other fluid mechanic theories; applications of fluid calculations in systems such as pipes, open channels, pumps, valves, fluidised and packed beds.

Lectures/tutorials: 2 x 2 hours per week; laboratories: 2 hours per week.

Students will be briefly exposed to a promising research theme in Fluid mechanics via a two-hour workshop. This workshop is designed to highlight applications of computational fluid dynamics in many areas such as climate change, pollution control and chemical industries. The intent is that this experience may introduce students to future research decisions.

Prerequisites: Completion of all Part I units in the majors Chemical and Metallurgical Engineering or Environmental Engineering.

Exclusions: Students who have successfully completed EXM224 Principles of Unit Operations may not enrol in this unit for credit.

### Food Matters (BRD201)

Credit Points: 3

MURDOCH: S2-internal, S2-external

The need to eat determines where, how and why we live. Further, we all share a global responsibility for the sustainable provision of food and the consequences of our food choices. With an overarching global perspective, this unit will explore food production and consumption in the context of history, economics, sociology, ethics, science and technology, and how each of these disciplines influence food attitudes and practices.

Lectures: 2 hours per week; tutorials: 2 hours every second week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed FDN102/OISU102 Food for Thought may not enrol in this unit for credit.

### Food Systems and Agriculture Business (MBS698)

Credit Points: 3

MURDOCH: S2-internal, S2-external

Provides a comparative perspective to understand the key issues, challenges and responses in relation to food systems and agriculture business management. Identifies the key industry structures, size, value and importance of all sectors in the agribusiness industry. Outlines the international trade relations between Australia and the world and provides an overview of the various strategic approaches used by the Australian Agribusinesses sectors in order to promote their products domestically and overseas. Case studies and prominent guest speakers present global challenges.

Seminars and workshops are delivered in intensive teaching mode (up to 30 hours contact time), which may include evenings and weekends. Students will then complete research assignments, case

studies and individual or group reports independently and in consultation with teaching staff.

Prerequisites: Enrolment in a graduate-level course.

Basic understanding of Agriculture and food production/business principles is required.

### Forensic Anatomy and Anthropology (BMS213)

Credit Points: 3

MURDOCH: S1-internal

This unit focuses on aspects of skeletal and regional anatomy of the human body that are central to forensic science, and in particular forensic anthropology - that is, how you could identify a person from their skeleton. Lecture topics include human evolution, human anatomy, and the changes associated with death and decomposition. Practical applications include the determination of age, sex, ancestry, pathology and trauma. Practical classes include hands-on experience with the measurement and analysis of human skeletal material and facial reconstruction.

Lectures: online content delivery; workshops: 2 hours per week, practicals: 2 hours per week (x 5 weeks).

Prerequisites: Nil. BMS101 Introduction to the Human Body is strongly recommended as preparation for this unit.

Exclusions: Students who have successfully completed BMS202 Forensic Anatomy and Anthropology may not enrol in this unit for credit.

### Forensic Data Analysis (ICT349)

Credit Points: 4

MURDOCH: S1-internal, S1-external  
KAPLAN-SGP: TJA-internal, TMA-internal  
SGP1: TJB-internal, TMB-internal

The increase in cyber crime requires IT security professionals to have a deeper understanding of the complex technical features of a cyber forensics examination and database security. Topics include: file analysis, operating system security, database security and auditing, and examination and analysis of digital evidence found in larger datasets. Apply the theory gained to a hypothetical cyber crime scenarios during the workshop investigation projects.

Lectures/workshop/seminar: 1 x 3 hours per week.

Prerequisites: ICT248 Cyber Forensics.

Students who have successfully completed ICT228 Special Topics in Information Technology: Cyber Forensics have satisfied this prerequisite.

### Forensic DNA Analysis (BIO313)

Credit Points: 4

MURDOCH: S1-internal

Provides advanced theoretical and practical training in DNA-profiling techniques relevant to forensic science. Includes mitochondrial DNA analysis, its applicability to identifying disaster victims, and the application of DNA-marker technologies to wildlife forensics and degraded and ancient DNA analysis. The use of short tandem repeats (DNA-profiling) for individual identification, quantitative PCR and mitochondrial DNA sequencing, single nucleotide polymorphisms (SNP) and Y-chromosome analysis in identifying perpetrators of crime is explored in the content of actual forensic cases.

Lectures/workshops: 3 hours per week; laboratories: 4 hours per week.

Prerequisites: BIO202 Molecular Biology I or BIO12/BIO248



Genetic Engineering.

Exclusions: Students who have successfully completed BIO373 Forensic Investigation may not enrol in this unit for credit.

### Forensic DNA Analysis (BIO359)

*As for BIO313 except:*

Credit Points: 3

Not available this year

Lectures: 1 x 1 hour per week; workshops: 1 x 2 hours per week; laboratories: 3 hours per week.

Prerequisites: BIO202 Molecular Biology I or BIO212 Genetic Engineering or BIO282 Molecular Biology

Exclusions: Students who have successfully completed BIO373 Forensic Investigation or BIO313 Forensic DNA Analysis may not enrol in this unit for credit.

### Forensic Toxicology (BIO314)

Credit Points: 4

MURDOCH: S2-internal

Poison: the silent killer or the coward's weapon? History is littered with examples of the devastating consequences of poisons. This unit integrates forensic toxicology with biochemistry, chemistry and pharmacology, illustrating it with case histories centred on victims, villains and scientists. Attention is paid to the mechanisms by which these compounds exert their poisonous effects. Training is provided in the application of the cutting-edge analytical technology used to identify toxins in body fluids and contaminated products, including chromatography and mass spectrometry.

Lectures/workshops: 3 hours per week; laboratories: 4 hours per week for 4 weeks.

Prerequisites: Successful completion of BIO270/BIO247 Biochemistry 1 or BMS261 Human and Comparative Biochemistry.

Exclusions: Students who have successfully completed BIO373 Forensic Investigation may not enrol in this unit for credit.

### Forensic Toxicology (BIO367)

*As for BIO314 except:*

Credit Points: 3

Not available this year

Lectures: 2 hours per week; laboratories: 5 x 3 hours; workshops: 5 x 2 hours.

Prerequisites: Successful completion of BIO247/BIO270 Biochemistry I or BMS261 Human and Comparative Biochemistry.

Exclusions: Students who have successfully completed BIO314 Forensic Toxicology or BIO373 Forensic Investigation may not enrol in this unit for credit.

### Foundational Mathematics for Business (BUS130)

Credit Points: 3

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

This unit aims to show students how quantitative analysis facilitates personal and corporate financial decisions by focusing on financial mathematics to value debt and equity securities. The valuation process considers the respective security's cash flows, time value of money and the associated risk. The unit introduces techniques used to collect, calculate, and interpret information used as the basis for pricing mortgage loans, evaluating superannuation performance and quantifying and selecting investment alternatives.

Lectures: 2 hours per week; workshops: 2 hours per week

Prerequisites: Nil.

Exclusions: Students who have successfully completed BUS140 Principles of Finance and Banking may not enrol in this unit for credit.

### Foundations of Accounting (BUS170)

*As for BUS160 except:*

Credit Points: 3

MURDOCH: S2-internal, S2-external

Prerequisites: Nil.

Exclusions: Students who have successfully completed BUS160 Introduction to Accounting may not enrol in this unit for credit.

### Foundations of Business Law (BSL165)

*As for BUS165 except:*

Credit Points: 3

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed BUS165 Principles of Commercial Law may not enrol in the unit for credit, and students who are enrolled in the Bachelor of Law (LLB) may not enrol in this unit for credit.

### Foundations of Cell and Molecular Biology (BIO152)

Credit Points: 3

MURDOCH: S2-internal

This unit introduces components of cells, their synthesis, function and control mechanisms; demonstrates the integrated, controlled nature of the normal cell; and develops both manual and conceptual skills in biology. Topics: cell ultrastructure; proteins; enzymes; membranes; energy metabolism; oxidative phosphorylation; electron transport chains; photosynthesis; structure of DNA; transcription and the role of RNA in the cell; the genetic code; translation and the role of ribosomes; gene control; DNA synthesis; chromosomes and mitosis; meiosis; introduction to genetics, inheritance and cell specialisation.

Lectures: 3 hours per week; laboratories: 6 x 3 hour sessions per semester; workshops: 5 x 1 hour sessions per semester.

Prerequisites: A thorough knowledge of WACE Stage 3 Chemistry is assumed. Students who did not achieve a WACE course score of more than 60% in Stage 3 Chemistry (3A/3B) within the three years immediately preceding enrolment are required to pass CHE140 Fundamentals of Chemistry before enrolling in this unit.

Exclusions: Students who have successfully completed BIO152 Cell Biology cannot enrol for credit in this unit.

### Foundations of Chemistry (CHE144)

Credit Points: 3

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

This unit provides a foundation in the principles of general chemistry relevant to the study and practice of a range of scientific disciplines. Topics include: molecular structure, solubility, solution chemistry (including colligative properties and equilibrium), thermodynamics, reaction kinetics, organic compounds and concepts related to the interaction of radiation with matter. The laboratory component facilitates practical application of major principles and the development of safe laboratory practices.



Lectures/tutorials/workshops: a total of 4 x 1 hours per week;  
laboratories: 1 x 3 hours per week for 9 weeks.  
External: compulsory attendance at a 5-day on-campus laboratory session.

Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to commencement of the teaching period.

Prerequisites: A thorough knowledge of WACE Stage 3 Chemistry is assumed. Students who did not achieve a WACE final scaled score of more than 60 percent in WACE Chemistry 3A/3B within the three years immediately preceding this enrolment are required to pass CHE140/PEC140 Introduction to Chemistry before enrolling in this unit.

Exclusions: Students who have successfully completed PEC114 Chemistry for Biological Sciences, PEC115 Chemistry for Environmental Sciences, PEC116 Chemistry for Physical Sciences, or PEC144 Chemical Principles may not enrol in this unit for credit.

### **Foundations of Computer Systems (ICT170)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit introduces students to the fundamentals of computer systems and how they underpin IT infrastructures supporting enterprise processes. Topics include digital logic, memory, storage, processing paradigms, operating systems, programming languages, systems development, deployment and professional ethics. Students will acquire understanding of a computer system's functional components, their characteristics, performance, interactions and use in IT, plus an appreciation of the role of the IT professional in IT systems.

Lectures: 1 x 2 hours per week; computer laboratories: 1 x 2 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed ICT106 Fundamentals of Computer Systems may not enrol in this unit for credit.

### **Foundations of Data Communications (ICT169)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit will provide an understanding of the basic principles of data communications, the technological infrastructure underlying networks and their role in information technology. The networking architectures of TCP/IP and OSI are studied as an introduction to the theory of networking. Extensive practical exercises using internetworking devices such as switches and routers, provide the student with LAN design and implementation skills. This unit will cover significant portions of the Cisco CCNA Certification curriculum.

Lectures: 1 x 2 hours per week; computer laboratories: 1 x 2 hours per week.

Prerequisites: Nil.

Exclusions: Students who have previously taken ICT103 Introduction to Data Communications may not enrol in this unit for credit.

### **Foundations of Discrete Mathematics (MAS162)**

*As for MAS167 except:*

Credit Points: 3

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Lectures: 3 x 1 hour per week; tutorials/laboratories: 1 x 1 hour per week.

Exclusions: Students who have successfully completed MAS167 Computational Mathematics cannot enrol in this unit for credit.

### **Foundations of Economics (BUS171)**

*As for BUS161 except:*

Credit Points: 3

MURDOCH: S1-external, S2-internal, S2-external

Lectures: 2 hours per week; tutorials: 1 hour per week

Prerequisites: Nil.

Exclusions: Students who have successfully completed BUS161 Introduction to Economics may not enrol in this unit for credit.

### **Foundations of Management and Governance (BUS176)**

Credit Points: 3

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

This unit provides an introduction to theories and practices of management and governance - both political and corporate. Through research, writing, analysis and oral presentations students understand how governance structures operate within businesses, government and non-government organisations. Topics include politics and public policy contexts, regulatory frameworks, network governance, ethics, planning, decision making, contemporary management challenges, leadership, motivation, governance structures and practice.

Lectures: 2 hours per week; tutorials: 2 hours per week

Prerequisites: Nil.

Exclusions: Students who have successfully completed BUS145 Principles of Management may not enrol in this unit for credit.

### **Foundations of Marketing (BUS183)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit provides an appreciation of how marketing relates to business, society and government. As the base Marketing unit, it introduces students to the marketing organisation and planning process, marketing research and information gathering methods and some of the analysis tools marketers use. Unit topics include the marketing function, the marketing organisation, marketing information systems and buyer behaviour - offline and online. The unit describes the importance of marketing to the strategic planning of an organisation.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed C213/TOU213 Tourism Marketing or BUS169 Principles of Marketing may not enrol in this unit for credit.

**Foundations of Programming (ICT159)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit introduces key aspects of computer programming including data storage and manipulation, and problem solving using a high-level programming language. Topics include: algorithms and problem solving; testing methodologies; fundamental aspects of a programming language including data types, input/output, simple selection and iteration control structures, data structures, one-dimensional arrays; and introduction to the concepts involved in object-oriented programming.

Lectures: 2 x 1 hour per week; computer laboratories: 1 x 3 hours per week (1 hour unsupervised).

Prerequisites: Nil.

Exclusions: Students who have completed ICT102 Introduction to Computer Science may not enrol in this unit for credit.

**Foundations of the Environment (ENV102)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

Environmental science is a problem-oriented, multidisciplinary field that attempts to assess environmental problems scientifically. This unit acquaints the students with the broad principles and methodology of environmental science. The nature of environmental systems and the methods used to learn more about them are introduced. The interrelations between land uses and geomorphology, soils, climate, plant communities, wetlands, rivers and estuaries and their interaction with humans are examined from an integrated, problem-solving perspective.

Lectures: 1 x 1 hour plus 1 x 2 hours (total 3 hours per week); tutorials/semester: 4 x 1 hour; laboratories/semester: 4 x 3 hours. Internal students are required to sign-up (online) to a laboratory and tutorial group. External students should note that this unit has a compulsory four-day on-campus component.

Swan Coastal Survey where students are required to work in groups off-campus to complete a worksheet as part of their assessment. Practical experience of underlying theoretical principles and group work.

Prerequisites: Nil.

Exclusions: Students who have successfully completed ENV102 Introduction to Environmental Science may not enrol in this unit for credit.

**Foundations of Vertebrate Form and Function (BMS107)**

Credit Points: 3

MURDOCH: S2-internal

This unit addresses the mechanisms by which vertebrates carry out essential life processes: how they maintain homeostasis (e.g. thermal, ionic and water), are metabolically active (use oxygen and nutrients, produce carbon dioxide and wastes, and synthesise complex molecules), and respond to stimuli (nervous system, sense organs and mechanisms of locomotion). The accompanying practical sessions examine the structure and function of the vertebrate body at three levels of organisation: an introduction to histology, organs and organ systems, and overarching physiological processes.

Lectures/tutorials: 3 hours per week; laboratories: 3 hours per week.

Prerequisites: Nil. Highly recommended: BMS101 Introduction to the Human Body or ANS102 Introduction to the Animal Body.

Exclusions: Students who have successfully completed BMS107

Principles of Vertebrate Physiology may not enrol in this unit for credit.

**From University to Workplace (TLC227)**

Credit Points: 3

MURDOCH: S2-internal

This unit gives you theoretical and practical knowledge to enhance your career development and transition to the culture of the professional workplace. As members of the local and global community, you are introduced to how large and small organisations recruit, select and retain personnel. Examine relevant concepts and workplace policies and practices, including significant industry input. The practical component complements the theoretical, to develop your skills and confidence to enhance your employment prospects.

Lectures: 1 hour per week; workshops/tutorials: 2 hours per week

Mock job interviews and role play being employers; self-organise informational interviews through networking.

Prerequisites: Nil. Preference for enrolment will be given to undergraduate students who have indicated their intention to graduate in the current year.

**Functional Human Anatomy (EXS206)**

Credit Points: 3

Not available this year

This unit will provide students with knowledge of the anatomy of the human body with a particular focus on systems related to human movement. Specifically students will examine the musculoskeletal, cardiovascular, pulmonary and nervous systems. Throughout the unit students will be introduced to how these systems perform functionally during human movement as well as how structural damage can influence how humans move and perform.

Tutorials: 2 hours per week; laboratories: 2 hours per week.

Prerequisites: BMS101 Introduction to the Human Body

Exclusions: CHI281 Human Anatomy 1; CHI282 Human Anatomy 2

**Fundamentals of Chemistry (CHE140)**

Credit Points: 3

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

This unit introduces fundamental concepts that prepare students for subsequent study in chemistry and support further study in a range of majors. Students learn about the nature of matter at the molecular level. This involves learning language, symbols and representations used to describe matter and chemical reactions. Students develop skills in problem solving and calculations related to chemical quantities, processes and reactions. Laboratory experiments are undertaken to consolidate understanding of chemistry and gain basic laboratory skills.

Workshops/tutorials: a total of 2 hours per week for 5 weeks; laboratories: 3 hours per week for a maximum of 5 weeks.

Externals: compulsory attendance at a 2-day on-campus laboratory session.

Due to the nature of this unit, external students are recommended to seek confirmation of exact attendance dates and requirements from the Unit Coordinator closer to commencement of the teaching period.

Prerequisites: This unit is for students with a limited background in chemistry. Students with a final scaled score of more than 60% in Chemistry 3A/3B or TEE Chemistry within the past three years may be excluded from the unit.

Exclusions: Students who are currently enrolled in or who have successfully completed CHE144/PEC144 Chemical Principles may not enrol in this unit for credit. Students who have successfully completed PEC140/OSCI18 Introduction to Chemistry cannot enrol for credit in this unit.

Completion of this unit will enable students to enrol in CHE144 Chemical Principles.

### **Fundamentals of Computer Systems (ICT106)**

Credit Points: 3

DUBAI-ISC: TJD-internal, TMD-internal

This unit provides an overview of the hardware and software of computer systems and introduces a number of important topics in computer science: overview of computer system architecture; computer memory, information representation and storage; execution of instructions including ALU, registers, instruction sets, fetch/execution cycle, addressing modes; concepts of software and hardware interrupts, introduction to operating system principles -- process management, memory management and file management; arduino and C language programming.

Lectures: 2 hours per week; tutorials: 2 hours per week.

Prerequisites: ICT102 Introduction to Computer Science.

### **Fundamentals of Mathematics (MAS164)**

Credit Points: 3

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Preparatory mathematics unit intended for students who have insufficient background for other units, in particular MAS167 Computational Mathematics, MAS182 Applied Mathematics and BUS208 Quantitative Methods for Business and Economics. Topics: algebra; polynomials, exponential and logarithmic functions and their graphs; matrices; basic concepts of differential and integral calculus and applications.

Lectures/tutorials/workshops: 5 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed a mathematics unit of the standard of TEE Calculus or higher may not enrol in this unit. Students may not enrol in this unit and either MAS161 Calculus and Matrix Algebra or MAS182 Applied Mathematics concurrently.

### **Game Development (ICT371)**

Credit Points: 3

Not available this year

This unit focuses on game development using advanced game development tools and environments. Topics covered include storytelling in games, character design and level design; game design patterns; game architectures; game development platforms; concepts of serious games. Further topics may include overview of mobile game development and networked game development.

Lectures: 1 x 2 hours per week; tutorials: 1 x 2 hours per week (1 hour unsupervised).

Prerequisites: ICT290 Games Design and Programming OR ICT207 Games Design and Programming.

Exclusions: Students who have successfully completed ICT309 Game Development may not enrol in this unit for credit.

### **Games Art (GAD261)**

Credit Points: 3

MURDOCH: S1-internal

This unit extends students knowledge in art and design theory and production in relation to games art. The unit will focus on putting theory into practice, requiring students to explore and visualise concepts and then generate sophisticated game-ready assets.

Online lecture; media laboratories: 3 hours per week

Prerequisites: GAD154 Introduction to Games Art and Design.

Exclusions: Students who have successfully completed MCC261 Games Art cannot enrol in this unit.

### **Games Design and Programming (ICT290)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit covers introductory games design and programming from a theoretical and practical point of view. It includes Games Design, Object Oriented design, and testing. Further work covers non-linearity, gameplay, game balance, game documentation, code management and intelligent agents. Practical rules for writing games programs are developed and applied.

Lectures: 1 x 2 hours per week; tutorials: 1 x 2 hours per week (1 hour unsupervised).

Prerequisites: ICT167 Principles of Computer Science. Students are encouraged to complete ICT289 Computer Graphics Principles and Programming prior to taking this unit.

Exclusions: Students who have successfully completed ICT207 Games Design and Programming may not enrol in this unit for credit.

### **Games Design Studio (GAD375)**

*As for MCC375 except:*

Credit Points: 3

Not available this year

Online lecture; media laboratories: 2.5 hours per week

Prerequisites: Nil.

Exclusions: Students who have successfully completed MCC375 Games design Studio may not enrol in this unit for credit.

### **Games Design Studio (MCC375)**

Credit Points: 4

MURDOCH: S1-internal

Students combine their prototyping skills and game design knowledge to develop and test original games for a wide variety of real-world settings targeting several different platforms. The prototypes developed could engage several genres, from serious and educational to casual and hardcore games.

Online lecture; media laboratories: 2.5 hours per week

Prerequisites: MCC232 Video Games Studies and MCC218 Web Games and Design.

**Games Development (ICT309)**

Credit Points: 4

MURDOCH: S1-internal, S1-external

This unit focuses on game development using advanced game development tools and environments. Topics covered include storytelling in games, character design and level design; game design patterns and framework for games; game architectures; overview of programming framework for console game development platforms; elements of concepts of serious games. Further topics may include overview of mobile game development and networked game development.

Lectures: 1 x 2 hours per week; tutorials: 1 x 2 hours per week (1 hour unsupervised).

Prerequisites: ICT207 Games Design and Programming.

**Games Project (GAD362)***As for MCC362 except:*

Credit Points: 3

Not available this year

Online lecture; media laboratories: 2.5 hours per week

Prerequisites: GAD261 Games Art OR GAD375 Games Design Studio

**Games Project (MCC362)**

Credit Points: 4

MURDOCH: S2-internal

This final Games Art and Design unit provides an opportunity for students to engage in sustained creative project work. The unit will enable students to acquire practical experience in the development of a final games project from concept to production in a team environment.

Online lecture; media laboratories: 3 hours per week

Prerequisites: MCC232 Video Games Studies; MCC218 Web Games Design and Production; and either MCC261 Games Art or MCC375 Games Design Studio.

**Games Software Design (ICT288)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit aims to give students the general background of game software design to create something fun and entertaining. It addresses issues in the computer and video game software design which includes elements of games creation, gameplay and game concepts. Topics include character design, creative play, design process, design documentation, environment, game-balancing, player motivation, and user interface design. This unit does not treat game software design as purely art or engineering.

Lectures: 1 x 2 hours per week; tutorials: 1 x 2 hours per week (1 hour unsupervised).

Prerequisites: ICT159 Foundations of Programming/ICT102 Introduction to Computer Science OR ICT101 Introduction to Graphics and Animation/GAD164/MCC164 3D Modelling.

Exclusions: Students who have successfully completed ICT241 Games Software Design may not enrol in this unit for credit.

**Games Software Production (ICT367)**

Credit Points: 3

Not available this year

This unit aims to give students the general concepts of games design and development, and games software production. This unit addresses the issues associated with the highly complex task of creating and publishing computer and video games. Topics include budgeting, design documentation, evaluation, group dynamics, project management, team roles and responsibilities. Using an industry standard games design and development tool, students will apply the theoretical aspects of the unit to create games in a team environment.

Lectures: 1 x 2 hours per week; laboratories: 1 x 2 hours per week (1 hour unsupervised).

Prerequisites: ICT241 Games Software Design OR ICT288 Games Software Design.

Exclusions: Students who have successfully completed ICT245 Games Software Production may not enrol in this unit for credit.

**Games Technology Project (ICT13)**

Credit Points: 4

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

This capstone unit gives students a 'real-world' experience of games development. Teams of students are assigned games projects with clients from academia, NGO's and industry. Teams will build on the skills developed during the study of their majors in areas such as process modelling, systems design, and implementation of games solutions relevant to their assigned project. The project culminates with a public presentation of the project deliverables. Students are expected to enrol in this unit in their final teaching period.

Lectures: 2 hours per week; tutorials: 1 hour per week; client and team meetings: as required.

Supervisor meetings: 1 hour per week.

Prerequisites: Either ICT311/ICT397 Advanced Games Design and Programming OR ICT241/ICT288 Games Software Design and ICT245/ICT367 Games Software Production.

This is the capstone unit and as such only students who will be eligible to graduate on the successful completion of the teaching period may enrol in this unit. Students who do not meet this criterion may apply to the unit coordinator for early enrolment. Only in exceptional circumstances will this be considered.

**Gender and Development (SWM637)**

Credit Points: 3

MURDOCH: S1-internal

Gender equality is a mainstreamed development goal. Students in this unit gain a sophisticated understanding of the gender and sexuality dimensions of development through critical reflection on different theoretical approaches to gender and development and their application in policy and practice across various institutional settings. Areas of focus include: access to income and micro-credit; intra-household dynamics; gender-based violence; women's empowerment; men and masculinities; and gender analysis. Students are encouraged to reflect on their own gendered positions as development professionals.

Seminars and workshops are delivered in intensive teaching mode (24 hours contact time), which may include evenings and weekends. Students will then complete research assignments independently, in consultation with teaching staff.

Prerequisites: Enrolment in Master of Development Studies, Master of International Affairs, or Master of Public Policy and Management

Exclusions: Students who have successfully completed POL613 Gender and Development or SSH637 Gender and Development may not enrol in this unit for credit.

### Gender in Asian Societies (AST558)

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit examines the role and status of men and women in Asian societies. It considers representations of the masculine and feminine from traditional culture to contemporary society. Emphasis will be placed on the implications for men and women of current social and economic changes in the region including government policies affecting reproduction and the family, women's involvement in subsistence agriculture, industry and the development process. Autobiography and film will be used to supplement anthropological and sociological studies.

Internal: Seminars: 3 hours per week.

External: Lectures: 1 hour; films: 1 hour; online discussions.

Prerequisites: Enrolment in a graduate-level (AQF level 8 or AQF level 9) course or permission of the Unit Coordinator.

### General Physics (PEN120)

Credit Points: 3

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

This is an introductory physics unit, designed to provide a basis for further studies in the physical sciences. It covers a range of topics including measurement, motion, waves, light, energy and electric fields. This unit does not require knowledge of calculus. Applications and examples are drawn from the biological, environmental, medical and physical sciences.

Lectures: 2 x 1 hour per week; tutorials/laboratories: 1 x 2 hours per week.

Prerequisites: Nil. Mathematics 3C/3D or MAS164 Fundamentals of Mathematics are strongly recommended. MAS164 Fundamentals of Mathematics may be taken concurrently.

Exclusions: Students who have successfully completed PEC/PEN152 Principles of Physics or OSC116/PEC/PEN120 General Physics or M150 Physics 1A and M151 Physics 1B may not enrol in this unit for credit.

### General Small Animal Practice (VET461)

Credit Points: 3

MURDOCH: S2-internal

This unit comprises lectures and practical classes covering the common aspects of small animal practice, including consulting skills. Topics covered will include behaviour, dentistry, basic nutrition, vaccination and disease prevention, dermatology and the diseases of pocket pets.

Lectures: 48 hours; laboratories: 9 hours per student.

Prerequisites: Enrolment in Applied Veterinary Medicine; VET345 Veterinary Pharmacology; VET343 Veterinary Diagnostic Pathology; VET442 Animal Systems III; VET429 Professional Life III.

### Genetic Engineering (BIO394)

Credit Points: 3

Not available this year

The key knowledge covered in this unit is how to isolate genes and introduce them into plants, animals and microorganisms and how to study gene structure and expression. Key skills gained by students will be in gene construction and introduction into bacteria,

computer analysis of DNA sequences and reporting and interpretation of experimental results. The practical applications of gene transfer technology in medicine, agriculture, and environmental management are emphasised.

Lectures: 3 hours per week; workshops: 9 x 1 hour; laboratories: full-time attendance during one non-teaching week.

Prerequisites: BIO282 Molecular Biology

Exclusions: Students who have successfully completed BIO212 Genetic Engineering may not enrol in this unit for credit.

### Genetics and Evolution (BIO356)

Credit Points: 3

Not available this year

This unit introduces the disciplines of genetics and evolutionary biology, focusing on eukaryotic organisms. The main aim is to promote an understanding of fundamental genetic concepts and evolutionary processes in eukaryotes and their implications for those studying the biological sciences. Activities will develop conceptual and critical thinking and problem-solving skills. Topics include: genome structure and evolution, cytogenetics, Mendelian and non-Mendelian inheritance, population genetics, quantitative genetics, microevolution, natural selection and speciation.

Lectures: 2 hours per week; practicals/workshop 4 hours per week in most weeks.

Prerequisites: BIO152 Foundations of Cell and Molecular Biology and either MAS183 Statistical Data Analysis and Databases or MAS182 Applied Mathematics or MAS184 Biostatistics and Information Retrieval.

Exclusions: Students who have successfully completed BIO372 Genetics and Evolution may not enrol in this unit for credit.

### Genetics and Evolution (BIO372)

Credit Points: 4

MURDOCH: S2-internal

This unit introduces the disciplines of genetics and evolutionary biology, focusing on eukaryotic organisms. The main aim is to promote an understanding of fundamental genetic concepts and evolutionary processes and their implications for those studying the biological sciences. Activities will develop conceptual and critical thinking and problem-solving skills. Topics include: genome structure and evolution, cytogenetics, patterns of inheritance, population genetics, quantitative genetics, microevolution, natural selection, sexual selection, speciation, breeding system evolution and macroevolution.

Lectures: 3 hours per week; practicals/workshop: 4 hours per week.

Prerequisites: BIO152 Cell Biology and either MAS183 Statistical Data Analysis and Databases or MAS182 Applied Mathematics or MAS184 Biostatistics and Information Retrieval.

Exclusions: Students who have successfully completed BIO369 Evolution and Conservation/Evolutionary Biology may not enrol in this unit for credit.

### GIS for Environmental Management and Planning (ENV303)

Credit Points: 3

MURDOCH: S2-internal, S2-external

A hands-on introduction to geographical information systems (GIS) and remote sensing as used in environmental management and planning. This course encourages spatial thinking and understanding of the physical and human environments, explores geographic data sources and focuses on basic skills in spatial data

analysis. Topics: data sources, spatial data analysis, map construction, GPS, image classification, change detection, cartographic modelling and demographic data sets and analysis. Practical work includes exercises and a minor team-based or individual research project.

Lectures: 2 hours per week; laboratories: 3 hours per week.

Prerequisites: Completion of 24 points at Part I or enrolment in an appropriate graduate qualification.

Exclusions: Students who have successfully completed ENV203 GIS for Environmental Management and Planning may not enrol in this unit for credit.

Off-campus students must have access to suitable computing facilities.

### **Global and Regional Sustainability (ENV245)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit enables students to apply their understanding of sustainability and their knowledge of environmental systems to different scales ranging from regional to global. Students will develop competence to unpack the threats to sustainability and their underlying drivers. They will explore strategies to address them which incorporate technical, governance, economic and social approaches.

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed ENV212 Global and Regional Sustainability may not enrol in this unit for credit.

Note that while there are no prerequisites students would benefit from taking introductory environmental science/sustainability units prior to enrolling.

### **Global Governance and International Institutions (SWM636)**

Credit Points: 3

MURDOCH: S2-internal

This unit explores the nature of global governance since World War II, the impact of globalisation, the role of state and non-state actors, and the dynamic governance functions of international organisations. It considers the transnational dynamics of policy problems alongside the international regimes that regulate them, and the changing interpretations of sovereignty, security and development within a contentious global order. Students examine how and why international institutions may be more or less responsive to different global governance reform pressures.

Seminars and workshops are delivered in intensive teaching mode (24 hours contact time), which may include evenings and weekends. Students will then complete research assignments independently, in consultation with teaching staff.

Prerequisites: Enrolment in a Master of International Affairs, Master of Public Policy and Management OR Master of Development Studies

Exclusions: Students who have successfully completed POL606 States, Governance and Globalisation OR POL660 Modern Theories of the State OR SSH636 Global Governance and International Institutions may not enrol in this unit for credit.

### **Global Media Communication (MBS576)**

Credit Points: 3

MURDOCH: SP2-internal

This unit introduces theories of international marketing communications, including managerial processes, social media trends, strategic and operational planning and implementation plans. It examines the impact of social media, how different age cohorts and socio-economic groups consume media. How contemporary social media is reshaping individual, group, social and cultural business practices. The unit examines ethical responsibility issues and impacts on stakeholders and consumers. It is useful for all types of communications, PR and advertising careers within international companies.

Lectures/seminar style of workshops for 7 weeks and one intensive weekend block mode delivery workshop.

Self-directed and guided research regarding consumer learning experiences in selected cross-cultural media and communications environments around the globe.

Prerequisites: Nil.

### **Global Media: Asia-Pacific Perspectives (MCM682)**

Credit Points: 6

MURDOCH: S2-internal

This unit explores the dynamics of the political, economic, cultural and social impacts of the global media from an Asia-Pacific perspective. It discusses the key functions of the global media industry and institutions, media content and discourse, as well as media markets and consumption in a number of key Asia-Pacific nation-states. Students will engage with current issues, themes and debates about the global media, from a Western and a non-Western perspective.

Seminars: 3 hours per week during teaching weeks, plus additional seminar/s during teaching or non-teaching weeks, schedule permitting. Details to be provided at commencement.

Prerequisites: Enrolment in the Master of Arts in Communication Management or a Graduate course.

### **Global Trade Policy (SWM624)**

Credit Points: 3

Not available this year

This unit examines transformations of the global trade regime and new patterns of global economic governance in the early 21st century. The global economy is becoming increasingly dominated by bilateral and regional trade arrangements, creating a web of preferential practices and agreements. The strength of the Chinese and Indian economies is contributing to a fundamental reconfiguring of international patterns of trade, whilst the global financial crisis and the Eurozone crisis make the future uncertain and hazardous.

Seminars and workshops are delivered in intensive teaching mode (24 hours contact time), which may include evenings and weekends. Students will then complete research assignments independently, in consultation with teaching staff.

Prerequisites: Enrolment in the Master of Public Policy and Management, Master of Development Studies, or Master of International Affairs.

**Globalisation of Modern Christianity (THE622)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit looks at how Christianity developed from a predominantly European religion to a genuinely world faith that, since the sixteenth century is now located in every part of the globe. Topics covered in the unit will be the Roman Catholic missions beginning in the sixteenth century, and Protestant missionary movement commencing from the eighteenth century. Connections between Christianity and European imperialisms will be explored, along with ways in which Christianity was shaped by its encounters with indigenous societies.

Seminars: 2 hours per week

Prerequisites: Enrolment in graduate level study.

**Governance and Politics in the 21st Century (POL341)**

Credit Points: 3

Not available this year

This unit considers the nature of politics, the state, democracy, governments and governance in the context of 21st Century democratisation and political change. It does so by adopting an inter-disciplinary approach that draws on political science, political geography, political psychology, and political-economy.

Weekly lecture plus tutorials.

Prerequisites: Nil.

**Government Agencies in a Changing World (POL250)**

Credit Points: 4

Not available this year

The unit focuses on government reform efforts in areas such as service provision and service delivery. It will also look at innovations like performance management and contracting out that have been implemented to improve the efficiency and effectiveness of government. The unit also looks at critical issues in the modern public sector such as transparency and accountability. The unit therefore provides students with a sound understanding of change in the practice of government.

Up to 3 hours.

Prerequisites: Nil.

**Government Agencies in a Changing World (POL343)***As for POL250 except:*

Credit Points: 3

Not available this year

Prerequisites: Nil.

Exclusions: Students who have successfully completed POL250 Public Sector Management may not enrol in this unit for credit.

**Graduate Seminar in Psychology (PSY599)**

Credit Points: 3

MURDOCH: S1-internal

This unit will deal with a range of themes which are central to the science and practice of psychology. The unit is run as an interactive seminar. Typical themes covered include: critical methods and issues pertaining to the practice of psychology and advanced and

integrated topics.

Seminars/workshops: 2 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed PSY412 Psychology: Fourth Year Seminar may not enrol in this unit for credit.

**Graduate Study in a Cross-Cultural Context (TLC501)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal

Designed for postgraduate coursework students from all schools from non-English Speaking Backgrounds (NESB), this unit will help students develop the communication skills necessary for research and study in an Australian academic context. In this unit, students will: build confidence in cross-cultural contexts; improve their academic writing; develop analytical and critical skills; understand the importance of academic integrity and the appropriate use of research sources in their work; enhance their ability to communicate and discuss complex ideas with others.

Communication Skills Seminars: 1 x 2 hours per week; writing practicum: 1 x 2 hours per week.

Prerequisites: Nil.

Exclusions: Students who are Native English speakers may not enrol in this unit.

**Great Books Past and Present 1 (EGL252)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This second-year core unit in the English and Creative Writing major looks at a selection of great books in the English language from the English speaking world up to the end of the nineteenth century. The aim is to introduce students to those seminal and decisive texts in the three major literary genres that have had a far-reaching influence on the writing of English literature globally.

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

**Great Books Past and Present 2 (EGL345)**

Credit Points: 3

Not available this year

**Greenhouse Science and Policy (PEN632)**

Credit Points: 3

MURDOCH: H-external, S1-internal, S1-external

This unit aims to familiarise the student with the science of climate change and with the policy responses to this issue. The unit is structured in four parts to address:

1. the scientific basis of the enhanced greenhouse effect;
2. the modeling of the impacts of the enhanced greenhouse effect;
3. the possible technical solutions for global warming;
4. the policy responses to global warming

Lectures: 1 x 2 hours per week; workshops/tutorials: 1 x 1 hour per week.

Prerequisites: Enrolment in an Honours or Graduate-level course.

**Group Counselling (CSL581)**

Credit Points: 3

MURDOCH: S1-internal

Students learn theoretical approaches to understanding and effectively working with group processes. Participation in small groups allows students to learn experientially about the rewards and challenges of group work, and how to establish a therapeutic atmosphere in a group. Students have the opportunity for reflection and feedback on the development of interaction, support and acceptance within the group.

Murdoch campus: lectures: 1.5 hours; tutorials: 3 hours per fortnight.

Peel campus: lectures: 3 hours; tutorials: 3 hours per fortnight.

Prerequisites: Enrolment in the Postgraduate or Graduate Certificate of Counselling, Postgraduate or Graduate Diploma of Counselling or Master of Counselling. Completion of, or concurrent enrolment in, CSL582 previously PSY582/PSY531 Principles of Counselling 1. Other students wanting to study this unit can be interviewed by the Unit Coordinator for consideration by the Counselling Academic Chair.

Exclusions: Students who have successfully completed PSY581/528 Counselling: Experiential Learning in Individual and Group Counselling may not enrol in this unit for credit.

**Haematology (BMS218)**

Credit Points: 3

Not available this year

This unit details our understanding of blood cell formation and function and how these are disturbed in various disease processes including anaemia, coagulopathy and haematological malignancy such as leukaemia, lymphoma and myeloma. Blood and stem cell transfusion practice is also introduced, including serological techniques, blood grouping and compatibility testing.

Lectures: 3 hours per week; laboratory sessions: 3 hours per week.

Prerequisites: BIO152 Foundations of Cell and Molecular Biology; CHE144 Foundations of Chemistry

**Hazard, Risk and Project Management (ENG691)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal

This unit provides the foundations for understanding the concepts and typical approaches in understanding the hazards, risks and management associated with large projects. A variety of industrial examples are used covering electrical, process, communications and SCADA information systems.

Lectures/tutorials/meetings/laboratories. By arrangement with the unit coordinator.

Prerequisites: Completion of 24 credit points of the Master of Engineering.

**Hazard, Safety and Environmental Management (ENG456)**

Credit Points: 3

Not available this year

Hazard, Safety and Environmental Management is a set of policies, programs, procedures and practices. One of the essentials in professional engineering practice is ensuring that people and companies operate in compliance with applicable regulations, but the total scope is much greater, encompassing all aspects of an organisation's products and processes. In this unit, students learn to

apply these principles in the context of designing, operating and managing metallurgical plants.

Lectures and tutorials: 4 hours per week.

**Health and Physical Education and the Curriculum (Major) (EDN419)**

Credit Points: 4

MURDOCH: S1-internal

This unit prepares pre-service teachers for teaching Health and Physical Education (HPE) in secondary schools. The emphasis is on the construction of a teaching practice that integrates knowledge with practical strategies for effective learning, related to the promotion and maintenance of healthy and active lifestyles. The unit emphasises the processes of planning, developing and implementing both the HPE ACARA National Curriculum from years 7 - 10 and the WA Senior Secondary Courses - Physical Education and Health Studies.

Lectures/workshops: 50 hours.

All students are required to attend lectures and workshops on campus. Details of the unit will be advised in the Unit Information and Learning Guide and on the unit information page, the School of Education's website and LMS.

All students will need to access LMS during this unit to access resources and the latest information regarding this unit.

Prerequisites: Enrolment in BEd (Secondary Teaching)/Sports Science degree (B1279) or GradDipEd(Secondary majoring in Health and Physical Education) or BEd 1-10 Health and Physical Education(B1285); successful completion of BED150/EDN112/EDN1121 Understanding Teachers' Work or EDU101/EDU1011 Introduction to Teaching and either CHI3151/EXS315 or EDN307 (B1279 students) or EDN302 (B1285 students) and EDN116 Physical Education; EDN319 Sports Education or EDN3191.

Students enrolled in the GradDipEd (Secondary) who wish to study this unit will be expected to have successfully completed a range of Exercise Physiology or Sports Science units plus appropriate HPE pedagogy units at a recognised tertiary institution. Students need to check with Unit Coordinator re their eligibility.

**Health and Physical Education and the Curriculum (Primary) (EDN464)**

Credit Points: 3

Not available this year

Prerequisites: Enrolment in the BEd Primary, 1-10 Health and Physical Education. Successful completion of BED100 Ideas in Education, and BED150/EDN112/EDN1121 Understanding Teachers' Work, and EDN111 Language for Learning and Teaching.

Exclusions: Students who have successfully completed EDN419 Health and Physical Education and the Curriculum (Major) may not enrol in this unit for credit.

**Health and Society (SOC213)**

Credit Points: 4

Not available this year

This unit offers an introduction to the sociology of health, medicine and the body. The broad perspective of the unit emphasises the social construction of knowledge about health, illness and healing, the significance of power relations, and the relationship between power and knowledge. Topics: illness experience and embodiment, inequalities in health, socio-cultural constructions of the 'normal', 'healthy' body, sociological critiques of medical knowledge, especially post-structuralist and feminist critiques, the new genetics, health promotion and the new public health.



Lectures/tutorials: up to 3 hours per week.

Prerequisites: Nil. Highly recommended: S134/SOC134  
Introduction to Sociology.

This unit will be useful to students majoring in Psychology;  
Nursing; Chiropractic and Veterinary Science.

### Health and Society (SOC313)

*As for SOC213 except:*

Credit Points: 3

Not available this year

### Health and the Curriculum A (Secondary 7 - 10) (EDN378)

Credit Points: 3

Not available this year

This unit prepares students for teaching Health and Physical Education (HPE) in secondary schools years 7-10. The unit emphasises the planning, development and implementation of effective teaching and learning processes as described in the WA HPE Curriculum. This unit will explore the means to develop health related knowledge, understanding and skills and how these are applied in community settings.

Prerequisites: Enrolment in Secondary Teaching (Science Combined Sport and Health Science) (BEd,BSc). Successful completion of BED100 Ideas in Education, and BED150/EDN112/EDN1121 Understanding Teachers' Work, and EDN111 Language for Learning and Teaching.

Exclusions: Students who have successfully completed EDN419 Health and Physical Education and the Curriculum (Major) may not enrol in this unit for credit.

### Health and the Curriculum B (Secondary 11-12) (EDN478)

Credit Points: 3

Not available this year

This unit will prepare students for teaching HPE in the senior school. It will focus on various forms of the Health Studies curriculum currently taught in WA schools and will develop an understanding of school based assessment and moderation as required by School Curriculum and Standards Authority. It will explore the knowledge, understanding and skills necessary to promote an understanding of the importance of personal and community action in promoting health.

Prerequisites: Enrolment in Secondary Teaching (Science Combined Sport and Health Science) (BEd,BSc). Successful completion of BED100 Ideas in Education, and BED150/EDN112/EDN1121 Understanding Teachers' Work, and EDN111 Language for Learning and Teaching

Exclusions: Students who have successfully completed EDN419 Health and Physical Education and the Curriculum (Major) may not enrol in this unit for credit.

### Health Care Education (SHP638)

Credit Points: 3

Not available this year

This unit focuses on developing effective teaching practices for peer and client education and explores conceptual issues and practical concerns surrounding mentoring in health care settings. Students examine the relationship between the individual learner, the teacher, the context and the clinical learning milieu. Students reflect

on their own teaching philosophy, define and evaluate effective teaching strategies; critically analyse benefits of the andragogical and pedagogical learning paradigms; explore concepts, models and applications of mentoring; essential elements of mentoring relationships and programs.

External: No attendance required

Prerequisites: Enrolment in a Graduate course.

### Health Economics and Finance (SWM518)

Credit Points: 3

MURDOCH: W-internal

This unit introduces students to key conceptual frameworks and principles of health care economics. It examines how both Australian and international health care systems are financed and funded. The unit will examine the core theories of supply and demand in health care, including the importance of information (and information asymmetry), the critical role of insurance, hospital financing and delivery, long-term care organisation, pay-for-performance schemes, and private/public mix in finance and provision of health care.

Lectures/seminars: 6 hours per week over four weeks.

Prerequisites: Enrolment in a graduate-level award.

### Health Policy and Governance (SWM517)

Credit Points: 3

MURDOCH: S1-internal

This unit examines national and international health care policy from a governance perspective. Governance has become a central concept in many disciplines studying social coordination (for example the political sciences, public administration, management, economics and law). This unit covers different modes of healthcare governance and how the health sector is governed in Australia and other countries; also relevant comparative frameworks with the purpose of identifying best practices in health policy and reform.

Lectures/seminars: 2 x 2 hours per week over six weeks.

Prerequisites: Enrolment in a graduate-level award.

### Health Policy in an Australian Context (SHP541)

Credit Points: 3

MURDOCH: S1-external, S2-external

This unit will provide students with an overview of health policy and discusses analysis of health care and public policy in Australia. It will consider the political, economic, social and epidemiological contexts within which health policies develop and the forces that promote and oppose change. Health policies will be examined to investigate issues of policy, governance and leadership in the health sector.

External: No attendance required

Prerequisites: Enrolment in a Graduate course.

### Health Research and Evidence Based Nursing Care (NUR363)

Credit Points: 4

PEEL: S1N-internal

This unit will further develop students' research skills by formally examining quantitative and qualitative research designs, applying these to measurement of health and disease in the community, examining the efficacy of current research projects, evaluating types of evidence and exploring the strength of evidence based practice.

Consideration of how to reduce the research/practice gap will also be explored.

Lectures: 1 hour per week; tutorials: 2 hours per week.

Prerequisites: Completion of all Part I core BNursing units.

### Health Services Project (SHP640)

Credit Points: 6

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

In this unit students are required to design, conduct and report in journal article format and by seminar presentation a research project addressing an issue related to the coursework area which the student has selected and be undertaken under the supervision of an approved staff member. The proposed topic of study should first be discussed with the Academic Chair.

Fortnightly contact with supervisor.

Prerequisites: NUR632 or SHP632 Applied Health Research Methods: From Research to Practice or equivalent research methodologies unit.

Exclusions: Students who have successfully completed NUR640 Health Services Project may not enrol in this unit for credit.

### Health, Fitness and Performance Assessment (EXS203)

Credit Points: 3

MURDOCH: S1-internal

This unit teaches students to perform pre-participation screening, risk appraisal, exercise and performance assessments. Advantages and limitations of various health and fitness assessments will be discussed, together with factors that can influence results. Students will learn how to select and perform appropriate tests for special groups such as athletes, children, older adults and individuals with health conditions. Physiological tests to determine components of fitness such as muscular strength, endurance, power, flexibility, cardiorespiratory fitness and body composition will be performed.

Lectures: 2 hours; laboratories/workshops: 2 hours.

Prerequisites: EXS124 Introduction to Sports Science.

Exclusions: Students who have successfully completed EXS208/CHI208 Health, Fitness and Performance Assessment may not enrol in this unit for credit.

### Heat and Mass Transfer (ENG203)

Credit Points: 3

MURDOCH: S2-internal, S2-external

Fundamentals of heat and mass transfer are addressed in this unit. The following concepts are covered: introduction of the physical origins and rate equations of heat and mass transfer; identification of the driving forces for different forms of heat and mass diffusion; development of transport models from first principles; steady state and transient solutions; the boundary layer analogies between mass and heat transfer; estimation of the heat and mass transfer convection coefficients; study of heat and mass transfer unit operations.

Lectures/tutorials: 2 x 2 hours per week; laboratories: 2 hours per week.

Students will be shown how to use software programs to carry out system designs that use principles of heat and mass transfer.

Prerequisites: Completion of all Part I units in the majors Chemical and Metallurgical Engineering or Environmental Engineering.

Exclusions: Students who have successfully completed EXM224

Principles of Unit Operations may not enrol in this unit for credit.

### History of the Christian Church I: Early to Medieval (THE285)

Credit Points: 4

Not available this year

Examines the development of the Christian Church from its beginnings as a sect in the Roman Empire to its promulgation as the official religion of the empire and its religious monopoly in the medieval societies of Western and Eastern Europe. In addition to issues relating to church and society in this period the unit will also look at developments within Christianity such as evolving patterns of ministry and leadership, monasticism and mysticism, workshop and belief, the Crusades and the papacy.

Prerequisites: Enrolment in BA (Theology) (B1113), BA (Theology) (Honours) (H1131) or BTheology (B1115).

### History of the Church II: Reformation to Modern (THE286)

Credit Points: 4

MURDOCH: S2-external

Examines the crisis of sixteenth-century Europe that produced the Reformation and the split of Western Christianity into Protestant and Catholic. Particular attention will be paid to the various churches of the Protestant and Catholic Reformations. Looks at how those two traditions developed from the sixteenth century until the late-twentieth century in Europe, the United States, Africa, Asia and the Pacific. Introduces various movements within the modern period that impacted on the Church, including the Enlightenment, various revival movements, and totalitarianism.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Enrolment in BA (Theology) (B1113), BA (Theology) (Honours) (H1131) or BTheology (B1115).

### Hollywood and History (HIS250)

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit explores the intersection of feature film and history, focusing on twentieth century America. Through the lens of feature film we will investigate and interpret some of the key events, personalities and ideas in America's recent past. Topics: the Great Depression, the Cold War, Vietnam War, the assassination of John F. Kennedy and the Civil Rights movement, the cultural 'revolution' of the 1960s and Watergate.

Lectures/workshop: 2 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed HIS249 Hollywood and History may not enrol in this unit for credit.

### Homicide and Death Investigation (BIO597)

Credit Points: 3

MURDOCH: S2-internal

This unit integrates the principles of crime scene investigation, criminal law, and forensic pathology. Concepts of offender behavior are introduced and various categories of homicide and death investigation are discussed. Instruction in human anatomy, pathology and death-investigation is provided so as to train participants in the recognition of injuries. Practical exercises, case-histories and contributions from visiting specialists are used throughout the unit to illustrate applicable concepts.

Lectures: 1 hour per week; lecture/workshops: 2 hours per week; laboratory sessions: 3 hours per week.

Prerequisites: Enrolment in the Graduate Certificate in Forensic Science (Professional Practice)

### Homiletics (THE618)

Credit Points: 3

Not available this year

The unit examines the theory and practice of religious communication particularly as these relate to preaching in the Christian tradition.

Seminar: 2 hours per week.

Prerequisites: Enrolment in graduate-level study.

Exclusions: Students who have successfully completed THE591 Homiletics may not enrol in this unit for credit.

### Honours Dissertation Preliminary (EGL569)

Credit Points: 3

MURDOCH: S1-internal, S2-internal, Y-internal

Seminars: 2 hours per week.

Prerequisites: Enrolment in Honours in English and Creative Writing or Honours in Theatre and Drama.

### Honours Dissertation Preliminary (PHL569)

Credit Points: 3

MURDOCH: S1-internal, S2-internal, Y-internal

Prerequisites: Enrolment in Honours in Philosophy.

### Honours Placement in Criminology (CRM531)

Credit Points: 3

MURDOCH: S1-internal, S2-internal, Y-internal

Students, in conjunction with the unit coordinator, identify a potential placement in a criminal justice agency which the coordinator will confirm. The aim of the unit is for students to undertake a placement in a criminal justice agency and then reflect on the practice of the agency in the context of criminological literature. The nature of the activity, and thus the reflection, is determined in conjunction with the agency.

Prerequisites: Enrolment in Honours in Criminology.

### Honours Placement in Legal Studies (LEG511)

Credit Points: 3

MURDOCH: S1-internal

Students, in conjunction with the unit coordinator, identify a potential placement in an agency in the legal system which the coordinator will confirm. The aim of the unit is for students to undertake a placement in a legal system agency and then reflect on the practice of the agency in the context of legal literature. The nature of the activity, and thus the reflection, is determined in conjunction with the agency.

There are no timetabled activities. The amount of time the students spends on placement is determined in consultation with the placement supervisor.

Prerequisites: Enrolment in Honours in Legal Studies.

### Honours Research Seminar (POL501)

Credit Points: 6

MURDOCH: S1-internal, S1-external

This Honours research skills unit examines the research methods employed in a number of the disciplines that form part of the social sciences, with the particular disciplines under consideration being determined by the participants in the Seminar. Students will be trained to understand and employ research skills associated with the discipline or sub-discipline in which their dissertation is located and to recognise the difference between the methods they employ and those employed in other disciplines in the social sciences.

Prerequisites: Enrolment in BA Honours - Honours in Sustainable Development or Politics and International Studies.

### Honours Seminar in Arts (ART503)

Credit Points: 3

MURDOCH: S1-internal

Seminars: 2 hours per week.

Prerequisites: Enrolment in an Honours course

### Honours Seminar in History (HIS563)

Credit Points: 3

MURDOCH: S1-internal

This unit will examine some of the approaches adopted by historians in recent times. Possible topics: traditional research methodology; oral memory; biography; feminist history; post-structuralist approaches; the future of the discipline.

Seminars: 2 hours per week.

Prerequisites: Enrolment in History with Honours or equivalent.

### Honours Thesis (MBS519)

Credit Points: 12

MURDOCH: S1-internal, S2-internal, Y-internal

Prerequisites: Enrolment in Honours in BBus.

Exclusions: Students who have completed BUS4019 Honours Thesis in Commerce may not enrol in this unit for credit.

### Honours Thesis in Animal Health (VLS515)

Credit Points: 21

MURDOCH: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

Prerequisites: Enrolment in Honours in Animal Health.

### Honours Thesis in Animal Science (VLS510)

Credit Points: 21

MURDOCH: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

Prerequisites: Enrolment in Honours in Animal Science.

### Honours Thesis in Asian Studies (AST569)

Credit Points: 12

MURDOCH: S1-internal, S2-internal, Y-internal

The thesis component is an independent research project that allows the student to develop an extended research project and written dissertation.

Regular meetings by appointment with supervisor. As this is a 12-point unit, students should spend 40 hours per week working on their thesis.

Prerequisites: Enrolment in Honours in Asian Studies.

### **Honours Thesis in Australian Indigenous Studies (AIS569)**

Credit Points: 12

MURDOCH: S1-internal, S2-internal, Y-internal

The thesis component is an independent research project that allows the student to develop an extended research project and written dissertation.

Regular meetings with supervisor. As this is a 12-point unit, students should spend 40 hours per week working on your thesis.

Prerequisites: Enrolment in Honours in Australian Indigenous Studies.

### **Honours Thesis in Biological Sciences (VLS560)**

Credit Points: 21

MURDOCH: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

Prerequisites: Enrolment in Honours in Biological Sciences.

### **Honours Thesis in Biomedical Science (VLS525)**

Credit Points: 21

MURDOCH: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

Prerequisites: Enrolment in Honours in Biomedical Science.

### **Honours Thesis in Biotechnology (VLS535)**

Credit Points: 21

MURDOCH: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

Prerequisites: Enrolment in Honours in Biotechnology.

### **Honours Thesis in Business Information Systems (ICT520)**

Credit Points: 12

MURDOCH: S1-internal, S2-internal, Y-internal

The Honours thesis is designed to teach students to plan and complete a research project in Business Information Systems. Students will be able to relate and evaluate the outcomes of the research to relevant other studies in the area. They will be able to communicate their research process and outcomes to others in the scientific and broader community.

Prerequisites: Enrolment in Honours in Business Information Systems.

### **Honours Thesis in Business Law (MBL519)**

Credit Points: 12

Not available this year

Prerequisites: Enrolment in Honours in Business Law

### **Honours Thesis in Chemistry (CHE500)**

Credit Points: 18

MURDOCH: H-internal, Y-internal

The Honours year in Chemistry is a short, sharp, and hectic introduction into the process of generating and developing scientific knowledge within university and commercial research environments. As such, Honours students are required to develop a broad range of skills, in both practical chemistry and in communicating their results to a wider audience. In general the required writing, presentation, and critical thinking skills are at a significantly higher level than in the undergraduate program.

Prerequisites: Enrolment in Honours in Chemistry.

### **Honours Thesis in Chiropractic (CHI550)**

Credit Points: 15

MURDOCH: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

The Honours course aims to train students in independent research as well as to provide advanced studies within the chiropractic discipline. Main areas available are epidemiology, clinical sciences and education. There are 9 points of coursework and 15 points of thesis. Honours complements the skills gained in the undergraduate degree with higher-level research skills in both technical and analytical areas such as critical thinking, self-reliance, initiative, ability to present one's arguments rationally, report writing, communication skills, and information technology proficiency.

Prerequisites: Enrolment in Honours in Chiropractic.

### **Honours Thesis in Communication and Media Studies (CMS512)**

Credit Points: 12

MURDOCH: S1-internal, S2-internal

The thesis component is an independent research project that allows the student to develop an extended research project and written dissertation.

Regular meetings with supervisor. As this is a 12-point unit, students should spend 40 hours per week working on their thesis.

Prerequisites: Nil.

### **Honours Thesis in Community Development (COD569)**

Credit Points: 12

MURDOCH: S1-internal, S2-internal, Y-internal

Prerequisites: Enrolment in Honours in Community Development.

### **Honours Thesis in Computer Science (ICT510)**

Credit Points: 12

MURDOCH: S1-internal, S2-internal, Y-internal

The Honours thesis is designed to teach students to plan and complete a research project in Computer Science. Students will be able to relate and evaluate the outcomes of the research to relevant other studies in the area. They will be able to communicate their research process and outcomes to others in the scientific and broader community.

Prerequisites: Enrolment in Honours in Computer Science.

**Honours Thesis in Conservation and Wildlife Biology (VLS540)**

Credit Points: 21

MURDOCH: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

Prerequisites: Enrolment in Honours in Conservation and Wildlife Biology.

**Honours Thesis in Criminology (CRM539)**

Credit Points: 15

MURDOCH: S1-internal, S2-internal

Students undertake a research project under supervision. Students are required to negotiate a research topic in conjunction with a supervisor. Students complete 3 points of the thesis in first semester which prepares them for the research project undertaken in second semester.

Prerequisites: Enrolment in Honours in Criminology.

**Honours Thesis in Cyber Forensics, Information Security and Management (ICT530)**

Credit Points: 12

Not available this year

The Honours thesis is designed to teach students to plan and complete a research project in Cyber Forensics, Information Security and Management. Students will be able to relate and evaluate the outcomes of the research to relevant other studies in the area. They will be able to communicate their research process and outcomes to others in the scientific and broader community.

Prerequisites: Nil.

**Honours Thesis in Economics (MBS505)**

Credit Points: 12

MURDOCH: S1-internal, S2-internal, Y-internal

Prerequisites: Enrolment in Honours in Economics.

Exclusions: Students who have completed BUS4009 Honours Thesis in Economics may not enrol in this unit for credit.

**Honours Thesis in English and Creative Writing (EGL599)**

Credit Points: 12

MURDOCH: S1-internal, S2-internal, Y-internal

Prerequisites: Enrolment in Honours in English and Creative Writing.

**Honours Thesis in Environmental Management and Sustainability (VLS545)**

Credit Points: 21

MURDOCH: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

Prerequisites: Enrolment in Honours in Environmental Management.

**Honours Thesis in Environmental Science (VLS550)**

Credit Points: 21

MURDOCH: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

Prerequisites: Enrolment in Honours in Environmental Science.

**Honours Thesis in Exercise Physiology (EXS560)**

Credit Points: 15

MURDOCH: H-internal, H-external, Y-internal, Y-external

The honours thesis is a comprehensive written piece of work that documents why the honours project was conducted, a literature review, experimental methodology, results, findings, conclusion and supporting references.

Prerequisites: Enrolment in Honours in Exercise Physiology.

**Honours Thesis in Forensic Biology and Toxicology (VLS520)**

Credit Points: 21

MURDOCH: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

Prerequisites: Enrolment in Honours in Forensic Biology and Toxicology.

**Honours Thesis in Games Art and Design (GAD569)**

Credit Points: 12

MURDOCH: S1-internal, S2-internal, Y-internal

Prerequisites: Nil.

**Honours Thesis in Games Software Design and Production (ICT550)**

Credit Points: 12

Not available this year

The Honours thesis is designed to teach students to plan and complete a research project in Games Software Design and Production. Students will be able to relate and evaluate the outcomes of the research to relevant other studies in the area. They will be able to communicate their research process and outcomes to others in the scientific and broader community.

**Honours Thesis in Games Technology (ICT570)**

Credit Points: 12

Not available this year

The Honours thesis is designed to teach students to plan and complete a research project in Games Technology. Students will be able to relate and evaluate the outcomes of the research to relevant other studies in the area. They will be able to communicate their research process and outcomes to others in the scientific and broader community.

Prerequisites: Nil.

**Honours Thesis in Graphic Design (IDD569)**

Credit Points: 12

MURDOCH: S1-internal, S2-internal, Y-internal

Prerequisites: Nil.

**Honours Thesis in History (HIS519)**

Credit Points: 12

MURDOCH: S1-internal, S2-internal, Y-internal

Prerequisites: Enrolment in Honours in History.

**Honours Thesis in Internetworking (ICT590)**

Credit Points: 12

Not available this year

The Honours thesis is designed to teach students to plan and complete a research project in Internetworking. Students will be able to relate and evaluate the outcomes of the research to relevant other studies in the area. They will be able to communicate their research process and outcomes to others in the scientific and broader community.

Prerequisites: Nil.

**Honours Thesis in Journalism (JOU569)**

Credit Points: 12

MURDOCH: S1-internal, S2-internal, Y-internal

The thesis component is an independent research project that allows the student to develop an extended research project and written dissertation.

Regular meetings with supervisor. As this is a 12-point unit, students should spend 40 hours per week working on their thesis.

Prerequisites: Nil.

**Honours Thesis in Law (LLB580)**

Credit Points: 12

MURDOCH: H-internal, Y-internal

This unit involves the completion of a major research project under the supervision of a member of staff. Students must participate actively in the supervision process and produce a paper of between 15,000 and 20,000 words on a legal topic nominated by him or her and approved by the Law School Honours Sub-Committee. The application to enrol in this unit is available from the School of Law office, or the School website.

No formal contact hours but regular meetings with Supervisor.

Prerequisites: Obtain necessary Weighted Grade Point Average (WGPA) cut-off; permission of Supervisor and Law Honours Subcommittee.

LLB580 Honours Thesis in Law meets the Law degree 'Research and Writing' requirement.

**Honours Thesis in Legal Studies (LEG519)**

Credit Points: 15

MURDOCH: S1-internal, Y-internal

Students undertake a research project under supervision. Students are required to negotiate a research topic in conjunction with a supervisor. Students complete 3 points of the thesis in first semester which prepares them for the research project undertaken in second semester.

Prerequisites: Enrolment in Honours in Legal Studies.

**Honours Thesis in Marine Science (VLS555)**

Credit Points: 21

MURDOCH: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

Prerequisites: Enrolment in Honours in Marine Science.

**Honours Thesis in Mathematics and Statistics (MAS519)**

Credit Points: 12

MURDOCH: S1-internal, S2-internal

Prerequisites: Enrolment in Honours in Mathematics and Statistics.

**Honours Thesis in Mineral Science (ENG539)**

Credit Points: 18

MURDOCH: H-internal, Y-internal

The Honours year in Mineral Science is a short, sharp, and hectic introduction into the process of generating and developing scientific knowledge within university and commercial research environments. As such, Honours students are required to develop a broad range of skills, in both hands-on extractive metallurgy-related testwork and in communicating their results to a wider audience. In general the required writing, presentation, and critical thinking skills are at a significantly higher level than in the undergraduate program.

Prerequisites: Enrolment in Honours in Mineral Science.

**Honours Thesis in Mobile and Web Application Development (ICT580)**

Credit Points: 12

Not available this year

The Honours thesis is designed to teach students to plan and complete a research project in Mobile and Web Application Development. Students will be able to relate and evaluate the outcomes of the research to relevant other studies in the area. They will be able to communicate their research process and outcomes to others in the scientific and broader community.

Prerequisites: Nil.

**Honours Thesis in Molecular Biology (VLS530)**

Credit Points: 21

MURDOCH: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

Prerequisites: Enrolment in Honours in Molecular Biology.

**Honours Thesis in Movement Science (EXS594)**

Credit Points: 15

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

The honours thesis is a comprehensive written piece of work that documents why the honours project was conducted, a literature review, experimental methodology, results, findings, conclusion and supporting references.

Prerequisites: Enrolment in Honours in Movement Science.

**Honours Thesis in Nursing (NUR569)**

Credit Points: 21

PEEL: S1-internal, S2-internal

The honours thesis unit provides training in independent study and research and the development of organisational, writing, oral, analytical and problem solving skills to an advanced level. This will be achieved through the design, execution and presentation of a research project under scholarly supervision

Data collection may require visits to a health or other facility depending on the project being undertaken. This must be accompanied by appropriate institutional and HREC permissions.

Prerequisites: Enrolment in Honours in Nursing.

**Honours Thesis in Philosophy (PHL589)**

Credit Points: 12

MURDOCH: S1-internal, S2-internal

Prerequisites: Enrolment in Honours in Philosophy.

**Honours Thesis in Photography (PHO569)**

Credit Points: 12

MURDOCH: S1-internal, S2-internal, Y-internal

Prerequisites: Nil.

**Honours Thesis in Physics and Nanotechnology (PEN589)**

Credit Points: 12

MURDOCH: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

Prerequisites: Enrolment in Honours in Physics and Nanotechnology.

**Honours Thesis in Physics and Nanotechnology (PEN599)**

Credit Points: 15

MURDOCH: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

Prerequisites: Enrolment in Honours in Physics and Nanotechnology.

**Honours Thesis in Politics and International Studies (POL579)**

Credit Points: 12

MURDOCH: S1-internal, S2-internal

The thesis is a distinctive feature of Honours study. It is undertaken with the guidance of an academic supervisor or supervisors and provides training in research, including practice-led research. It is often the largest project that undergraduate students undertake. It involves the development and application of organisational, writing, analytical, creative, technical and problem-solving skills to an advanced level, and the ability to work independently. The thesis builds students' writing and research experiences and broadens opportunities for employment and graduate study.

Prerequisites: Enrolment in Honours in Politics and International Studies.

Exclusions: students who have completed POL4079 Honours Thesis in Politics and International Studies may not enrol in this unit for credit

**Honours Thesis in Psychology (PSY4039)**

Credit Points: 12

MURDOCH: S1-internal, S2-internal

This unit provides students with the opportunity to carry out a piece of empirical research under supervision. Students are expected to negotiate a research topic in conjunction with a supervisor. The thesis reporting the empirical research represents 12 of the 24 points required for the Honours year.

Approximately 15 hours per week for 24 weeks or equivalent.

Prerequisites: Enrolment in BA (Psych) (Hons) or BPsych (Hons).

Students must have completed 15 hours as a participant in psychological research or have completed an essay on psychological research to the satisfaction of the Unit Coordinator.

**Honours Thesis in Public Relations (PRO569)**

Credit Points: 12

MURDOCH: S1-internal, S2-internal, Y-internal

The thesis component is an independent research project that allows the student to develop an extended research project and written dissertation.

Regular meetings with supervisor. As this is a 12-point unit, students should spend 40 hours per week working on their thesis.

Prerequisites: Nil.

**Honours Thesis in Radio (RAD569)**

Credit Points: 12

MURDOCH: S1-internal, S2-internal, Y-internal

Prerequisites: Enrolment in Honours

**Honours Thesis in Religion (REL569)**

Credit Points: 12

MURDOCH: S1-internal, S2-internal, Y-internal

Prerequisites: Enrolment in Honours in Religion.

**Honours Thesis in Screen Production (SCR569)**

Credit Points: 12

MURDOCH: S1-internal, S2-internal, Y-internal

Prerequisites: Enrolment in Honours.

**Honours Thesis in Sociology (SOC569)**

Credit Points: 12

MURDOCH: S1-internal, S2-internal

The thesis component is an independent research project that allows the student to develop an extended research project and written dissertation.

Regular meetings with supervisor. As this is a 12-point unit, students should spend 40 hours per week working on their thesis.

Prerequisites: Enrolment in Honours in Sociology.

**Honours Thesis in Sound (SOU569)**

Credit Points: 12

MURDOCH: S1-internal, S2-internal, Y-internal

Prerequisites: Enrolment in Honours

**Honours Thesis in Sports and Health Science (EXS593)**

Credit Points: 15

MURDOCH: H-internal, H-external, Y-internal, Y-external

The honours thesis is a comprehensive written piece of work that documents why the honours project was conducted, a literature review, experimental methodology, results, findings, conclusion and supporting references.

There are no specific timetabled activities.

Prerequisites: Enrolment in Honours in Sport and Health Science.

**Honours Thesis in Sports Science (EXS4909)**

Credit Points: 24

MURDOCH: H-internal, H-external

Prerequisites: Enrolment in Honours in Sports Science.

**Honours Thesis in Sustainable Development (SUS501)**

Credit Points: 12

MURDOCH: S1-internal, S2-internal

The thesis is a distinctive feature of honours study. It is undertaken with the guidance of an academic supervisor or supervisors and provides training in research, including practice-led research. It is often the largest project that undergraduate students undertake. It involves the development and application of organisational, writing, analytical, creative, technical and problem-solving skills to an advanced level, and the ability to work independently. The thesis builds students' writing and research experiences and broadens opportunities for employment and graduate study.

This unit involves independent guided research with an academic supervisor. There are no lectures or tutorials.

Prerequisites: Enrolment in Honours in Sustainable Development (BA).

Exclusions: Students who have completed SUS401 Honours Thesis in Sustainable Development may not enrol in this unit for credit.

**Honours Thesis in Theatre and Drama (EGL589)**

Credit Points: 12

MURDOCH: S1-internal, S2-internal

Prerequisites: Enrolment in Honours in Theatre and Drama.

**Honours Thesis in Tourism and Events (TOU569)**

Credit Points: 12

MURDOCH: S1-internal, S2-internal

The thesis component is an independent research project that allows the student to develop an extended research project and written dissertation.

Regular meetings with supervisor. As this is a 12-point unit, students should spend 40 hours per week working on their thesis.

Prerequisites: Enrolment in Honours in Tourism.

**Honours Thesis in Veterinary Biology (VLS505)**

Credit Points: 21

MURDOCH: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

Prerequisites: Enrolment in Honours in Veterinary Biology.

**Honours Thesis in Web Communication (WEB569)**

Credit Points: 12

MURDOCH: S1-internal, S2-internal, Y-internal

Prerequisites: Nil.

**Honours Topic in Advanced Numerical Analysis (MAS513)**

Credit Points: 3

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Prerequisites: Enrolment in Honours in Mathematics and Statistics.

**Honours Topic in Asian Studies A (AST561)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal, Y-internal

This topic aims to prepare you for advanced research in Asian Studies and will be negotiated with your supervisor.

12 x 1 hour meetings with Supervisor, or equivalent. By appointment with staff member.

As this is a 3-point unit students should spend 10 hours per week working on this unit.

Prerequisites: Enrolment in Honours in Asian Studies.

**Honours Topic in Asian Studies B (AST562)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal, Y-internal

This topic aims to prepare you for advanced research in Asian Studies and will be negotiated with your supervisor.

12 x 1-hour meetings with supervisor, or equivalent. By appointment with staff member.

As this is a 3-point unit, you should spend 10 hours per week working on this unit.

Prerequisites: Enrolment in Honours in Asian Studies.

**Honours Topic in Australian Indigenous Studies A (AIS561)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal, Y-internal

This topic aims to prepare you for advanced research in Australian Indigenous Studies and will be negotiated with your supervisor.

12 x 1-hour meetings with supervisor, or equivalent. As this is a 3-point unit, students should spend 10 hours per week working on this unit.

Prerequisites: Enrolment in Honours in Australian Indigenous Studies.



**Honours Topic in Australian Indigenous Studies B (AIS562)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal, Y-internal

This topic aims to prepare you for advanced research in Australian Indigenous Studies and will be negotiated with your supervisor.

12 x 1-hour meetings with supervisor, or equivalent. As this is a 3-point unit, students should spend 10 hours per week working on this unit.

Prerequisites: Enrolment in Honours in Australian Indigenous Studies.

**Honours Topic in Communication and Media Studies A (CMS501)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal, Y-internal

This topic aims to prepare you for advanced research in communication and media studies and will be negotiated with your supervisor.

12 x 1-hour meetings with supervisor, or equivalent. As this is a 3-point unit, students should spend 10 hours per week working on this unit.

Prerequisites: Enrolment in Honours

**Honours Topic in Communication and Media Studies B (CMS502)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal, Y-internal

This topic aims to prepare you for advanced research in communication and media studies and will be negotiated with your supervisor.

12 x 1-hour meetings with supervisor, or equivalent. As this is a 3-point unit, students should spend 10 hours per week working on this unit.

Prerequisites: Nil.

**Honours Topic in Community Development A (COD561)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal, Y-internal

Prerequisites: Enrolment in Honours in Community Development.

**Honours Topic in Community Development B (COD562)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal, Y-internal

Prerequisites: Enrolment in Honours in Community Development.

**Honours Topic in English and Creative Writing (EGL591)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal, Y-internal

Prerequisites: Enrolment in Honours in English and Creative Writing.

**Honours Topic in Games Art and Design A (GAD567)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal, Y-internal

Prerequisites: Enrolment in Honours

**Honours Topic in Games Art and Design B (GAD568)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal, Y-internal

Prerequisites: Nil.

**Honours Topic in Graphic Design A (IDD561)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal, Y-internal

Prerequisites: Nil.

**Honours Topic in Graphic Design B (IDD562)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal, Y-internal

Prerequisites: Nil.

**Honours Topic in History (HIS511)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal, Y-internal

Prerequisites: Enrolment in Honours in History.

**Honours Topic in Journalism A (JOU561)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal, Y-internal

This topic aims to prepare you for advanced research in journalism and will be negotiated with your supervisor.

12 x 1-hour meetings with supervisor, or equivalent. As this is a 3-point unit, students should spend 10 hours per week working on this unit.

Prerequisites: Nil.

**Honours Topic in Journalism B (JOU562)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal, Y-internal

This topic aims to prepare you for advanced research in journalism and will be negotiated with your supervisor.

12 x 1-hour meetings with supervisor, or equivalent. As this is a 3-point unit, students should spend 10 hours per week working on this unit.

Prerequisites: Nil.

**Honours Topic in Mathematics (MAS512)**

Credit Points: 3

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Prerequisites: Enrolment in Honours in Mathematics and Statistics.

**Honours Topic in Philosophy (PHL582)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal, Y-internal

Prerequisites: Enrolment in Honours in Philosophy.

**Honours Topic in Photography A (PHO561)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal, Y-internal

Prerequisites: Nil.

**Honours Topic in Photography B (PHO562)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal, Y-internal

Prerequisites: Enrolment in Honours

**Honours Topic in Politics and International Studies (POL500)**

Credit Points: 3

MURDOCH: S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external

This unit gives students an opportunity to do preparatory work for their honours thesis. Students develop the topic in consultation with their thesis supervisor and undertake the work with the supervisor's guidance. The topic could for instance involve completing an in-depth analysis of concepts relevant to the thesis, investigating pertinent ethical considerations, preparing an annotated bibliography, or conducting a pilot study.

This unit involves independent supervised project work. There are no regular lectures or tutorials.

Prerequisites: Enrolment in Honours in Politics and International Studies.

**Honours Topic in Public Relations A (PRO561)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal, Y-internal

This topic aims to prepare you for advanced research in public relations and will be negotiated with your supervisor.

12 x 1-hour meetings with supervisor, or equivalent. As this is a 3-point unit, students should spend 10 hours per week working on this unit.

Prerequisites: Enrolment in Honours

**Honours Topic in Public Relations B (PRO562)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal, Y-internal

This topic aims to prepare you for advanced research in public relations and will be negotiated with your supervisor.

12 x 1-hour meetings with supervisor, or equivalent. As this is a 3-point unit, students should spend 10 hours per week working on this unit.

Prerequisites: Nil.

**Honours Topic in Radio A (RAD561)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal, Y-internal

Prerequisites: Enrolment in Honours

**Honours Topic in Radio B (RAD562)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal, Y-internal

Prerequisites: Nil.

**Honours Topic in Religion A (REL561)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal, Y-internal

Prerequisites: Enrolment in Honours in Religion.

**Honours Topic in Religion B (REL562)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal, Y-internal

Prerequisites: Enrolment in Honours

**Honours Topic in Screen Production A (SCR561)**

Credit Points: 3

MURDOCH: S1-internal, S1-external, S2-internal, Y-internal

Prerequisites: Enrolment in Honours

**Honours Topic in Screen Production B (SCR562)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal, Y-internal

Prerequisites: Enrolment in Honours.

**Honours Topic in Sociology A (SOC561)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal, Y-internal

This topic aims to prepare students for advanced research in sociology and will be negotiated with the student's supervisor.

12 x 1-hour meetings with supervisor, or equivalent. As this is a 3-point unit, students should spend 10 hours per week working on this unit.

Prerequisites: Enrolment in Honours in Sociology.

**Honours Topic in Sociology B (SOC562)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal, Y-internal

This topic aims to prepare you for advanced research in sociology and will be negotiated with your supervisor.

12 x 1-hour meetings with supervisor, or equivalent. As this is a 3-point unit, students should spend 10 hours per week working on this unit.

Prerequisites: Enrolment in Honours in Sociology.

**Honours Topic in Sound A (SOU561)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal, Y-internal

Prerequisites: Honours in Sound

**Honours Topic in Sound B (SOU562)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal, Y-internal

Prerequisites: Nil.

**Honours Topic in Statistics (MAS511)**

Credit Points: 3

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

This unit will cover select topics in applied and theoretical statistics.

Lectures: 3 x 1 hours per week.

Prerequisites: Enrolment in Honours in Mathematics and Statistics.

**Honours Topic in Sustainable Development (SUS500)**

Credit Points: 3

MURDOCH: S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external

This unit gives students an opportunity to do preparatory work for their honours thesis. Students develop the topic in consultation with their thesis supervisor and undertake the work with the supervisor's guidance. The topic could for instance involve completing an in-depth analysis of concepts relevant to the thesis, investigating pertinent ethical considerations, preparing an annotated bibliography, or conducting a pilot study.

This unit involves independent supervised project work. There are no regular lectures or tutorials.

Prerequisites: Enrolment in Honours in Sustainable Development.

**Honours Topic in Theatre and Drama (EGL581)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal

Prerequisites: Enrolment in Honours in Theatre and Drama.

**Honours Topic in Tourism and Events A (TOU561)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal, Y-internal

This topic aims to prepare students for advanced research in tourism and/or events and will be negotiated with the student's supervisor.

10 x 1-hour meetings with supervisor or equivalent. As this is a 3-point unit, students should spend 10 hours per week working on this unit.

Prerequisites: Enrolment in Honours in Tourism.

**Honours Topic in Tourism and Events B (TOU562)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal, Y-internal

This topic aims to prepare students for advanced research in tourism and/or events and will be negotiated with the student's supervisor.

10 x 1-hour meetings with supervisor or equivalent. As this is a 3-point unit, students should spend 10 hours per week working on this unit.

Prerequisites: Enrolment in Honours in Tourism.

**Honours Topic in Web Communication A (WEB561)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal, Y-internal

Prerequisites: Nil.

**Honours Topic in Web Communication B (WEB562)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal, Y-internal

Prerequisites: Nil.

**Human Anatomy I (CHI255)**

Credit Points: 3

Not available this year

Prerequisites: Successful completion of BMS101 Introduction to the Human Body and CHI108 Introduction to Human Anatomy.

**Human Anatomy I (CHI280)**

Credit Points: 4

MURDOCH: S1-internal (quota of 90 places)

This unit is designed to equip students with proper knowledge on human anatomy as a base for clinical study in chiropractic and exercise physiology. The topics covered in this unit are the head and neck, visceral structures and the central nervous system. Practical consists of prosection lab, surface anatomy and radiographic anatomy.

Lectures: 4 hours per week; practicals: 4 hours per week.

Prerequisites: BMS101 Introduction to the Human Body

This unit is subject to quota. Quota is due to limited resources and space requirements. Preference will be given to students in Chiropractic, Exercise Physiology and Sports Science.

**Human Anatomy II (CHI234)**

Credit Points: 3

Not available this year

This unit provides students with a thorough knowledge of gross anatomy and surface anatomy of the neuro-musculoskeletal system of the limbs, vertebral column, intrinsic and extrinsic back muscles and the central nervous system. Surface anatomy is a core component of this unit as, after graduation, most health professionals will experience anatomy either through palpation, massage or manipulation. This unit aims to give students a solid foundation of anatomy on which to build on in future units and clinical practice.

Lectures: 2 hours per week; laboratories: 2 hours per week; practical: 1 hour per week.

Prerequisites: Successful completion of CHI108 Introduction to Human Anatomy.

**Human Anatomy II (CHI282)**

Credit Points: 4

MURDOCH: S2-internal (quota of 90 places)

This unit provides students with a thorough knowledge of anatomy, surface anatomy and radiology of the neuro-musculoskeletal system of the limbs, vertebral column, intrinsic and extrinsic back muscles and the central nervous system. Surface anatomy and radiology are core components of this unit as, after graduation, most health professionals will experience anatomy either through palpation or clinical images. This unit aims to give students a solid foundation of anatomy on which to build on in future units and clinical practice.

Lectures: 4 hours per week; laboratories: 3 hours per week; practicals: 1 hour per week.

Prerequisites: Successful completion CHI108 Introduction to Human Anatomy.

Students enrolled in a course other than B1274 Chiropractic should enrol in CHI2821 Human Anatomy II.

This unit is subject to quota. Quota is due to limited resources and space requirements. Preference will be given to students in Chiropractic, Exercise Physiology and Sports Science.

**Human Anatomy II (CHI2821)***As for CHI282 except:*

Credit Points: 4

MURDOCH: S2-internal (quota of 100 places)

Lectures: 3 hours per week; laboratories: 3 hours per week

Prerequisites: CHI108 Functional Human Anatomy

Students enrolled in B1274 Chiropractic should enrol in CHI282 Human Anatomy II,

This unit is subject to quota. Quota is due to limited resources and space requirements. Preference will be given to students in Chiropractic, Exercise Physiology and Sports Science.

**Human DNA Profiling (BIO599)**

Credit Points: 3

MURDOCH: S2-internal

This unit will develop theoretical and practical application of forensic DNA profiling, including the biology, technology and genetics that underpin the discipline of human DNA profiling. The interpretation of DNA evidence will be examined in detail and students will analyse complex (mixed/degraded) profiles and familiarisation with the statistical analysis that is involved in human population genetics. The course will also provide the opportunity to develop key transferable skills including research techniques, critical analysis and communication skills.

Lectures: 1 hour per week; ecture/workshops: 1 hour per week; laboratory sessions: 3 hours per week

Prerequisites: Enrolment in the Graduate Certificate in Forensic Science (Professional Practice)

**Human Factors in Information Technology (ICT612)**

Credit Points: 3

MURDOCH: S1-internal

Covers the human factors (HCI) aspects of Information Technology at four levels: individuals, groups, national and international. Discusses methods of design and evaluation used to produce efficient, effective and satisfying user interfaces, multimedia products and websites. Also considers computer mediated communication, groupware, organisational modelling, virtual

reality, augmented reality and ubiquitous computing and mobile technologies. Relates theoretical concepts to practical techniques within a fair social-technical context.

Lectures/tutorials: 1 x 3 hours per week.

Prerequisites: Enrolment in a graduate-level IT course.

**Human Factors: The Impact on Patient Safety (SHP602)**

Credit Points: 3

MURDOCH: S2-external

The study of Human Factors provides understanding of human characteristics and applies this to improving the design of machines, systems and team environments to reduce the likelihood of error in health care.

This unit examines cognitive and behavioural characteristics that make human error prone. Strategies to improve the human-machine interface and human to human interactions will be identified and examined. The unit focuses on achievable ways of using human factors to build defences into the healthcare system to protect patients.

External: No attendance required.

Prerequisites: Enrolment in a graduate course.

Exclusions: Students who have successfully completed NUR602 Human Factors: The Impact on Patient Safety may not enrol in this unit for credit.

**Human Molecular Genetics (BMS219)**

Credit Points: 3

Not available this year

This unit details our understanding of the structure, organisation, expression and evolution of the human genome. Also explored is human genetic variation and mutation and how this relates to normal phenotypic traits, Mendelian (single gene) genetic diseases, complex multifactorial diseases and cancer. Basic techniques of PCR, cloning, hybridisation and DNA sequencing are also described including how these tools are transforming medical diagnosis and the treatment of disease.

Lectures: 3 hours per week; laboratory sessions: 3 hours per week

Prerequisites: BIO152 Foundations of Cell and Molecular Biology

**Human Physiology (EXS102)**

Credit Points: 3

MURDOCH: S2-internal

This unit will provide students with information pertaining to the human body and the various systems within the body that act to maintain homeostasis. Specifically, students will learn about human physiology through examination of the cardiovascular, pulmonary, digestive, excretive and immune systems. Throughout this unit, students will be introduced to various disease states that can influence and ultimately unbalance the human system. Additionally, other stressors including environment and physical activity will be discussed.

Lectures: 2 hours per week; computer laboratories: 2 hours per week.

Prerequisites: Nil.

**Human Resource Economics (BUS301)**

Credit Points: 3

Not available this year

It is increasingly recognised that efficient use of human resources is a key determinant of the performance of enterprises and nations. This unit will apply economic analysis to human resource decision making. Topics: the hiring decision, the training decision, job hierarchies within the organisation, remuneration issues and the growth of flexible working arrangements.

Lectures: 2 hours per week; workshops: 1 hour per week.

Prerequisites: Nil.

Exclusions: Students who have completed BUS375 Human Resource Economics may not enrol in this unit for credit.

**Human Resource Economics (BUS375)***As for BUS301 except:*

Credit Points: 4

MURDOCH: S2-internal, S2-external  
KAPLAN-SGP: TJA-internal, TSA-internal  
SGP1: TJB-internal, TSB-internal

Lectures: 2 hours per week; workshops: 1 hour per week.

Prerequisites: Nil.

**Human Resource Management Law (MBL501)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit is about law relevant to the recruitment, performance and termination of employment relationships in Australia. It investigates the legal relationship between an employer and employee. Coverage of federal legislation is a focus, with a study of contractual rights and obligations, legislated minimum standards, awards, enterprise bargaining and dismissal.

Seminars: 3 hours per week.

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students who have completed MBS501 Human Resource Management Law may not enrol in this unit for credit.

**Human Resource Management Law (MBS501)**

Credit Points: 4

DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TJA-internal, TSA-internal

This unit is about law relevant to the recruitment, performance and termination of work relationships in Australia. It investigates the legal relationship between an employer and employee. Coverage of federal legislation is a focus, with a study of the rights and obligations imposed on parties to work relationships, legislated minimum standards, awards, collective agreements and dismissal.

Lectures/seminars/workshops: 3 hours per week.

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students who have successfully completed MBL501 Human Resource Management Law may not enrol in this unit for credit.

**Human Resource Management Perspectives (MBS555)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit presents an overview of the management of human resources from the perspectives of HR practitioners and line managers. It examines practical and theoretical aspects of strategic and operational Human Resource Management. Topics such as recruitment and selection, training and development, performance management and remuneration for the organisation's most valuable asset are covered. Changing views on Human Resource concepts, processes, applications and evaluation will be canvassed. (MHRM students are advised to select this unit early in their course).

Lectures/seminars/workshops: 3 hours per week.

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students who have successfully completed MBS617/MBS6171 Human Resource Management Perspectives may not enrol in this unit for credit.

**Human Resource Management Perspectives (MBS617)**

Credit Points: 4

DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TJA-internal, TSA-internal

This unit presents an overview of the management of human resources from the perspectives of HR practitioners and line managers. It examines practical and theoretical aspects of strategic and operational Human Resource Management. Topics such as recruitment and selection, training and development, performance management and remuneration for the organisation's most valuable asset are covered. Changing views on Human Resource concepts, processes, applications and evaluation will be canvassed. (MHRM students are advised to select this unit early in their course).

Lectures/seminars/workshops: 3 hours per week.

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students who have successfully completed MBS6171 Human Resource Management Perspectives or MBS655 Human Resource Management Perspectives may not enrol in this unit for credit.

**Human Resources (PSY568)**

Credit Points: 3

MURDOCH: S1-external

This unit deals with traditional issues in the management of human resources in organisational and service settings. Topics cover theoretical and practical problems of human resource management, including job analysis, recruitment and selection, performance management, performance appraisal, and human resource development. Treatment of these topics deals with both the organisation's welfare (which enables it to offer a stable environment to its work force) and the well-being of individual employees as this is affected by personnel practices.

Prerequisites: Enrolment in Pg or GradCertOHRS or Pg or GradDipConsultPsych or MAppPsych or MAppPsych/PhD or DPpsych or, for other Masters students, permission of the Unit Coordinator.

**Human Rights Law Clinic (LAW387)**

Credit Points: 4

MURDOCH: S1-internal, S2-internal

This unit is a clinical legal education unit which allows students to put their legal knowledge into practice within an active human rights practice. Students will interview clients, research and formulate advice, draft documents and assist the client before tribunals, courts and the United Nations under the close supervision of our lawyers.

Weekly attendance at the clinic and seminar program, to be arranged with course coordinator.  
Please contact the unit coordinator for further information.

Prerequisites: LEG120 (prior to 2012)/LAW120 Research and Writing, LEG150 (prior to 2011)/LAW150 Australian Legal System (mandatory) and LAW390 Clinical Legal Education (preferable).

**Human Rights Law Clinic (LLB387)***As for LAW387 except:*

Credit Points: 3

Not available this year

Prerequisites: LEG120 (prior to 2012)/LAW120 Research and Writing, LEG150 (prior to 2011)/LAW150 Australian Legal System (mandatory) and LAW390 Clinical Legal Education (preferable).

Exclusions: Students who have completed LAW387 Human Rights Law Clinic may not enrol in this unit for credit.

**Human Structure and Function 1 (NUR149)**

Credit Points: 3

PEEL: S1N-internal

This unit is the first of two that provide a broadly based, general introduction to fundamental concepts in human anatomy, physiology and cell biology, exploring issues of relevance to nursing. It will introduce the student to the various levels of structural organisation in the body, from atoms and molecules to cells, tissues, organs and organ systems. Students will also be introduced to chemical processes important in living systems and physiological mechanisms aimed at the maintenance of a constant internal environment.

Lectures: 1 hour per week; laboratories: 2 hours per week.

Weekly online quizzes.

Prerequisites: Enrolment in the Bachelor of Nursing.

Exclusions: Students who have successfully completed NUR101 Fundamentals of Cell Function, NUR102 Nursing Bioscience I, and NUR104 Nursing Bioscience II may not enrol in this unit for credit. Students who have only successfully completed some of these units should contact the Academic Chair.

**Human Structure and Function 2 (NUR154)**

Credit Points: 3

MURDOCH: S2N-internal

PEEL: S2N-internal

This unit continues the introduction to human anatomy and physiology, contributing foundation knowledge for the principles and practice of nursing. The unit will examine the maintenance of essential life processes by introducing the structure and function of the major body systems. It will highlight the interrelationship of body organ systems, homeostasis and the dependence of function upon structure. The unit will also include an introduction to genetics.

Lectures: 1 hour per week; laboratories: 2 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed NUR101 Fundamentals of Cell Function, NUR102 Nursing Bioscience I, and NUR104 Nursing Bioscience II may not enrol in this unit for credit. Students who have only successfully completed some of these units should contact the Academic Chair.

**Human-Computer Interaction (ICT325)**

Credit Points: 4

MURDOCH: S1-internal, S1-external

This unit examines human-computer interaction (HCI), the key ingredient in the design of information based systems, multimedia, websites, interactive mobile technologies and games. It covers practical user interface design, prototyping and evaluation, but also includes consideration of theoretical and social disability aspects of HCI. The unit includes consideration of other disciplines (for example, psychology) in the effective design of HCI.

Lectures: 2 hours per week; tutorials: 1 hour per week.

The lectures contain exercises which the students can use to practice what they have learned.

Prerequisites: ICT207 Games Design and Programming or ICT231 Systems Analysis and Design or ICT241 Games Software Design.

**Humanities and Social Sciences Curriculum A (Secondary 7 - 10) (EDN377)**

Credit Points: 3

Not available this year

**Humanities and Social Sciences Curriculum B (Secondary 11 - 12) (EDN477)**

Credit Points: 3

Not available this year

**Hydrometallurgy (ENG326)**

Credit Points: 3

Not available this year

This unit considers the principles and applications of leaching, solution purification and metal recovery to the hydrometallurgical processing of metals, ores, and concentrates. It also considers practical industrial processes, and discusses overall processes for the recovery of gold, copper, nickel, uranium etc. related to the Australian mineral industry.

Lectures/tutorials: 4 hours per week; laboratories: 2 hours per week.

Prerequisites: EXM224 Principles of Unit Operations and EXM256 Process Mineralogy or ENG205 Applied Mineralogy.

Exclusions: Students who have successfully completed the unit EXM357 Extractive Metallurgy may not enrol in this unit for credit.

**ICT in the Classroom (EDN206)**

Credit Points: 3

MURDOCH: S2-external

This unit focuses on ways to use information and communications technology (ICT) to help students learn and teachers teach in primary, secondary or post-secondary settings. Numerous claims have been made about the relationships between ICT and education. This unit will help students evaluate some of these claims and will support them to develop effective strategies for

integrating ICT into teaching and learning in future.

External: No attendance required

Online lectures and forum discussions.

Prerequisites: Completion of at least one Part II education unit, or equivalent.

### Ideas and Identity (BAR150)

Credit Points: 3

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

This unit explores the power of ideas to change the world, focusing on their birth, transmission, evolution, and global impacts. Through the study of selected themes, such as violence or the relationship between the individual and the community, students are introduced to the ideas and approaches central to the arts, social sciences and humanities, and are invited to reflect on competing moral and social arguments. Writing and critical thinking skills are a core focus of the unit.

Lectures: 2 x 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed SSH100 Ideas in Action may not enrol in this unit for credit.

### Ideas in Action (SSH100)

Credit Points: 3

Not available this year

This unit explores the power of ideas to change the world, focussing on the birth of major ideas, their transmission, evolution, and global impacts. Through the study of selected iconic events, such as the invention of the contraceptive pill and global warming, students are introduced to the ideas and approaches central to the Social Sciences and Humanities, and are invited to reflect on competing moral and social arguments. Writing and critical thinking skills are a core focus of the unit.

Lectures and tutorials: up to 3.5 hours per week.

Prerequisites: Nil.

Exclusions: Students who successfully complete this unit cannot enrol in the Bachelor of Arts first year Breadth unit BAR150 Ideas and Identity for credit.

### Ideas in Education (BED100)

Credit Points: 3

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

This unit helps develop the skills and understandings needed to study successfully in Education. You will learn how to communicate effectively in speech and in writing (including academic writing); engage in critical thinking and problem solving about education topics; explore strategies for independent and collaborative learning; and practise reading with purpose and with understanding. You will also begin to investigate and discuss some key ideas and current debates in Education, as preparation for more in-depth exploration in later units.

Lectures/workshops: 3 hours per week.

Prerequisites: Enrolment in an initial teacher education course.

Exclusions: Students who have successfully completed a Foundation Unit (units beginning with FDN) may not enrol in this unit for credit.

### iHealth (KAC004)

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

This unit is intended to increase students' awareness of health related issues affecting the wider Aboriginal community. As part of this unit students will explore Indigenous health from various perspectives; medical, cultural and personal. This is a practical, hands-on unit, where students will be exposed to a variety of experiences, ranging from learning First Aid, to conducting their own medical research and to interacting with staff and students from the health and human services disciplines.

Lectures: 1 x 2 hours per week; workshops: 1 x 2 hours per week.

As part of this unit students will also:

- \* undertake a Senior First Aid training course
- \* receive two Health Assessments
- \* visit Murdoch University Health facilities
- \* take part in weekly practicals.

Prerequisites: Enrolment in KTrack Enabling program

### iHuman (BRD208)

Credit Points: 3

MURDOCH: S1-internal, S1-external

In this unit, we will look at the modern understanding of human beings as machines or computers. What happened in the history of thinking that has led us to imagine human lives on a model of machines ruled by mechanistic processes? Why - despite our everyday experience of being free - do we accept this mechanistic vision? Tracing the modern mechanistic metaphors through the history of ideas we show how they play out in philosophy, theology, sociology, economics, psychology and law.

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

### Immunology, Genetics and Microbiology (CHI205)

As for CHI305 except:

Credit Points: 3

Not available this year

### Immunology, Genetics and Microbiology (CHI305)

Credit Points: 4

MURDOCH: S2-internal

Introduction to three important areas of consideration for primary contact health care practitioners. The interdependence of genetics, immunology and microbiology will be emphasised. Basic concepts of genetics, immunology and microbiology will be presented with consideration of the mechanisms of the immune response and its relationships to infectious microbial agents. Special discussion topics include vaccination, regulation of immunity, and the effects of excesses and deficiencies on the immune response. Project work and seminars will be required for completion of the unit.

Lectures: 3 hours per week

Prerequisites: Enrolment in Chiropractic and successful completion of Years 1 and 2.

### Immunology, Vaccines and Cell Culture (BIO243)

Credit Points: 3

MURDOCH: S2-internal

Study the integrated nature of the immune system in health and disease. Immunology topics include: innate immunity, the lymphoid system, B cells and antibodies, T cells and their effector

mechanisms, complement, cytokines, interferons and antigen presentation on cells. Mammalian cell culture topics include: the production of cell-lines, monoclonal antibodies, stem cell therapies and cryopreservation methods. Vaccine topics include: vaccine design and production, global challenges in vaccine production and public acceptance of immunisation.

Lectures: 3 hours per week; laboratories 6 x 3 hour sessions per semester; workshops: 3 x 1 hour sessions per semester.

Prerequisites: BIO152 Foundations of Cell and Molecular Biology.

Exclusions: Students who have successfully completed BIO252 Immunology, Vaccines and Cell Culture may not enrol in this unit for credit.

### **In-Country Studies Indonesia (ART307)**

Credit Points: 6

Not available this year

Through the Australian Consortium for 'In-Country' Indonesian Studies (ACICIS), students undertake studies in English language at an Indonesian university or they combine some studies in English with professional placements in urban or rural areas. Applicants are expected to have some background in the field they want to pursue.

Determined by Indonesian host university.

Prerequisites: Permission of the Academic Chair and selection by The Australian Consortium for 'In-Country' Indonesian Studies (ACICIS)

A result of Ungraded Pass or Fail is awarded for this unit.

### **In-Country Studies Indonesia (ART607)**

Credit Points: 6

MURDOCH: SUM-internal

Through the Australian Consortium for 'In-Country' Indonesian Studies (ACICIS), students undertake studies in English language at an Indonesian university or they combine some studies in English with professional placements in urban or rural areas. Applicants are expected to have some background in the field they want to pursue.

Determined by Indonesian host university.

Prerequisites: Enrolment in a graduate-level course, approval of the Academic Chair and selection by In-Country' Indonesian Studies (ACICIS),

A result of Ungraded Pass or Fail is awarded for this unit.

### **In-Country Studies Indonesia (ART6071)**

Credit Points: 12

Not available this year

Prerequisites: Enrolment in a graduate-level course, approval of the Academic Chair and selection by In-Country' Indonesian Studies (ACICIS),

A result of Ungraded Pass or Fail is awarded for this unit.

### **In-Country Studies Indonesia (SSH307)**

**As for ART307 except:**

Credit Points: 8

MURDOCH: SUM-internal

A result of Ungraded Pass or Fail is awarded for this unit.

### **Inclusive Education (EDN334)**

Credit Points: 4

MURDOCH: S2-internal, S2-external

This unit focuses on the special educational needs of students who may be 'at risk' of developmental delay or educational difficulties, either through impairments or disabilities, or for other reasons. It will assist participants to identify and understand diverse learning needs, develop and implement strategies to enhance learning outcomes, and monitor student progress.

Lectures: 1 hour per week; workshops: 2 hours per week.

Prerequisites: Enrolment in the Bachelor of Education (except B1269 BEd Early Childhood and Primary Teaching and B1279 BEd Secondary Teaching and Sports Science) and successful completion of or enrolment in BED200 Assessment and Action Research and EDU245 Learning and Assessment Processes or EDU241 Processes of Learning or EDU242 Learning and Assessment: Theory and Practice or equivalent; or EDN221 Learning and Teaching AND EDN222 Learning, Teaching and Assessment 2 or enrolment in Graduate Certificate in Inclusive Education, Graduate Diploma in Education (Secondary), Graduate Diploma in Education Studies.

Exclusions: Students who have successfully completed EDU380/EDU3801/EDU3802 Inclusive Education may not enrol in this unit for credit.

Students enrolled in the Inclusive Education minor should enrol in the 6-point version of this unit.

### **Inclusive Education (EDN3341)**

**As for EDN334 except:**

Credit Points: 2

MURDOCH: S2-external

External only.

Prerequisites: Enrolment in GradDipEd (Primary/Secondary) and successful completion of EDN245/EDN545 Learning and Assessment Processes

OR

Enrolment in BEd (Early Childhood and Primary), or BEd (Secondary), or BEd (Secondary)/BSportsSc, or BEd (Secondary) (Graduate) or Early Childhood 0-8 BEd and successful completion of; BED200 Assessment and Action Research and EDN221 Learning and Teaching; OR EDN221 Learning, Teaching and Assessment and EDN222 Learning and Teaching; OR EDN221 Learning, Teaching and Assessment 1 and EDN222 Learning, Teaching and Assessment 2; OR EDU242 Learning and Assessment: Theory and Practice

Students enrolled in the Special Needs Education minor or the Inclusive Education minor should enrol in the 6-point version of this unit (EDN3342).

### **Inclusive Education (EDN3342)**

**As for EDN334 except:**

Credit Points: 6

MURDOCH: S2-internal, S2-external

Lectures: 1 hour per week; workshops: 2 hours per week

Completion of 5 day distributed school experience placement.

Prerequisites: Enrolment in the Bachelor of Education (Primary) and Inclusive Education minor; and successful completion of or enrolment in BED200 Assessment and Action Research and EDU245 Learning and Assessment Processes or EDU241 Processes of Learning or EDU242 Learning and Assessment: Theory and Practice or equivalent; or EDN221 Learning, Teaching and Assessment 1 AND EDN222 Learning, Teaching and Assessment 2. Students without the prerequisite should consult the Unit Coordinator.



Exclusions: Students who have successfully completed EDU3802 Inclusive Education may not enrol in this unit for credit.

An equivalent of five days of field experience in an education setting is associated with assessment in this unit. Pre-service teachers must have two current mandatory checks on record in the Murdoch University School of Education Professional Experience Office prior to commencement of this placement: Department of Education National Police History Check and a WA Working with Children Check. Refer to the School of Education Professional Experience website for details: <http://www.murdoch.edu.au/School-of-Education/Professional-Experience/Checks-and-clearances/> Pre-service Teachers must submit a Placement Form to the School of Education Professional Experience Office by the due date. A Placement Form activates the placement process and guarantees a school placement. Placement details will be available on SONIA (the School of Education placement database) at <https://myplacement.murdoch.edu.au/SoniaOnline>

### **Inclusive Education (EDN449)**

*As for EDN334 except:*

Credit Points: 3

Not available this year

Lectures: 1 hour per week; workshops: 2 hours per week.

Prerequisites: Enrolment in the Bachelor of Education (except B1269 BEd Early Childhood and Primary Teaching and B1279 BEd Secondary Teaching and Sports Science) and successful completion of or enrolment in EDU245 Learning and Assessment Processes or EDU241 Processes of Learning or EDU242 Learning and Assessment: Theory and Practice or equivalent; or EDN221/EDN208 Learning, Teaching and Assessment 1 AND EDN222 Learning, Teaching and Assessment 2 or enrolment in Graduate Certificate in Inclusive Education, Graduate Diploma in Education (Secondary), Graduate Diploma in Education Studies.

### **Inclusive Education: Contemporary Perspectives and Practices (EDN509)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit introduces strategies for providing differentiated teaching to meet the needs of students of all abilities, including students with disability. It identifies key factors that support classroom teachers to provide quality learning environments for all students, including relevant legislative requirements, whole school and classroom practices, planning, monitoring and assessment and collaboration with other education professionals.

Lectures/seminars: 3 x 3 hours over the first two weeks of Semester 2.

Students are expected to apply their learning in this unit as part of their Professional Internship: Preliminary and Professional Internship.

Prerequisites: Enrolment in the Graduate Diploma in Education (Secondary) or the Graduate Certificate in International Education in Schools.

### **Indigeneity, Critical Theory and Social Justice (AIS303)**

Credit Points: 4

MURDOCH: S2-internal, S2-external

This unit expands students' understanding of 'social justice' in Indigenous contexts from one-dimensional perceptions of the amelioration of Indigenous disadvantage to a deeper and more

nuanced appreciation of the interplay between instances of inequity, social and political logics and the remedies these attempt to generate. It does this by exploring some of the exciting work being produced in this area by Australian Indigenous and other (including international) thinkers whose critical focus is identity and social and economic marginalisation.

Lectures: 1 hour per week; tutorials: 2 hours per week.

Prerequisites: Nil.

### **Indigeneity, Critical Theory and Social Justice (AIS307)**

Credit Points: 3

Not available this year

This unit expands students' understanding of 'social justice' in Indigenous contexts from one-dimensional perceptions of the amelioration of Indigenous disadvantage to a deeper and more nuanced appreciation of the interplay between instances of inequity, social and political logics and the remedies these attempt to generate. It does this by exploring some of the exciting work being produced in this area by Australian Indigenous and other (including international) thinkers whose critical focus is identity and social and economic marginalisation.

Lectures: 1 hour per week; workshops: 2 hours per week.

Prerequisites: Nil.

Exclusions: Students who have completed AIS303 Indigeneity, Critical Theory and Social Justice may not enrol in this unit for credit.

### **Indigenous Health (NUR152)**

Credit Points: 3

PEEL: S2N-internal

This unit will provide the student with a broad overview of Indigenous history, culture, social and economic circumstances that can be applied to Indigenous healthcare issues. Issues to be included are current determinants of Indigenous health, cross-cultural communication, Indigenous primary healthcare, rural and remote issues, sociocultural, economic and Aboriginal community controlled health services and strategies for delivery of effective Indigenous health services. Implications for nursing care will be examined.

Lectures: 1 hour per week; tutorials: 2 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed NUR234 Indigenous Culture and Health Care may not enrol in this unit for credit.

### **Indigenous Spirituality and Well-Being (AIS241)**

Credit Points: 3

Not available this year

Spirituality for Indigenous Australians is expressed in many forms and embodies many practices. Some of these have been profoundly influenced by the impact of colonialism, hence the fact that many Indigenous Australians share the beliefs and values of religions introduced from other cultures. At the same time, many other Indigenous people's religious beliefs derive from a sense of belonging to the land, the sea, other people and one's culture.

Lectures: 1 hour per week; workshops: 1.5 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed AIS250 Special Topics in Australian Indigenous Studies: Indigenous

Spirituality or AIS240 Indigenous Spirituality may not enrol in this unit for credit.

### Indigenous Tourism Issues (TOU231)

Credit Points: 3

Not available this year

This unit is concerned with the involvement of indigenous peoples in tourism. It examines the impacts of tourism on indigenous peoples from the emic and etic points of view along the spectrum from commoditisation of culture and the 'museumisation' of peoples, to the role of tourism in resurrecting and strengthening the value of indigenous practices and culture. Case studies include Aboriginal Australia, the South Pacific, Asia and East Africa. Participation in field trips on a cost recovery basis is required.

Prerequisites: Nil.

### Indonesian 1 (IND101)

Credit Points: 3

MURDOCH: S1-internal, S1-external

This is a beginning unit for students who have no previous knowledge of Indonesian. The emphasis is wholly on conversation, with reading and writing skills based on conversational materials.

Language workshops: 3 hours per week (hours may be adapted to class size).

Students are given opportunities to practise their Indonesian with students from Indonesian and Australian universities via online UniBridge program.

Prerequisites: Nil. Co-requisite (for all students): Internet access. Microphone (for external students).

Exclusions: 1. Native speakers of Indonesian or Malay.  
2. Students from countries where Indonesian or Malay is a partial or complete medium of instruction on the educational system.  
3. Students who have successfully completed IND161 Indonesian I A cannot enrol for credit in this unit.

Advanced students including those who have WACE qualification in Indonesian as Second Language or equivalent should consult the Unit Coordinator to determine level of entry.

### Indonesian 2 (IND102)

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit is a continuation of Indonesian 1. The emphasis is wholly on conversation, with reading and writing skills based on conversational materials.

Language workshops: 3 hours per week (hours may be adapted to class size).

Students are given opportunities to practise their Indonesian with students from Indonesian and Australian universities via online UniBridge program.

Prerequisites: IND101 Indonesian 1. Co-requisite (for all students): Internet access. Microphone (for external students).

Exclusions: 1. Native speakers of Indonesian or Malay.  
2. Students from countries where Indonesian or Malay is a partial or complete medium of instruction on the educational system.  
Students who have successfully completed IND162 Indonesian I B cannot enrol for credit in this unit.

Advanced students including those who have WACE qualification in Indonesian as Second Language or equivalent should consult the Unit Coordinator to determine level of entry.

### Indonesian 3 (IND201)

Credit Points: 3

MURDOCH: S1-internal, S1-external

This is a unit for students with intermediate knowledge of Indonesian. The aim is to develop formal language skills in reading, writing, speaking and listening.

Lectures: 1 hour per week; workshops: 2 x 1 hour per week.

Prerequisites: IND102 Indonesian 2 or equivalent level of competency as assessed by the Unit Co-ordinator.

### Indonesian 3A (IND361)

Credit Points: 4

MURDOCH: S1-internal, S1-external

This unit develops strengths in conversation, reading, listening comprehension and writing, with grammar and style taught in relation to these components. Indonesian is used increasingly in instruction and class communication

Language workshops: 3 hours per week (hours may be adapted to class size).

Prerequisites: IND262 Indonesian 2B. Co-requisite (for all students): Internet access.

Exclusions: 1. Native speakers of Indonesian or Malay.  
2. Students from countries where Indonesian or Malay is a partial or complete medium of instruction on the educational system.

Advanced students including those who have WACE qualification in Indonesian as Second Language or equivalent should consult the Academic Chair of Asian Studies to determine level of entry.

### Indonesian 3B (IND362)

Credit Points: 4

MURDOCH: S2-internal, S2-external

This unit develops strengths in conversation, reading, listening comprehension and writing, with grammar and style taught in relation to these components. Indonesian is used increasingly in instruction and class communication.

Language workshops: 3 hours per week (hours may be adapted to class size).

Prerequisites: IND361 Indonesian 3A. Co-requisite (for all students): Internet access.

Exclusions: 1. Native speakers of Indonesian or Malay.  
2. Students from countries where Indonesian or Malay is a partial or complete medium of instruction on the educational system.

Advanced students including those who have WACE qualification in Indonesian as Second Language or equivalent should consult the Academic Chair of Asian Studies to determine level of entry.

### Indonesian 4 (IND202)

Credit Points: 3

MURDOCH: S1-internal, S1-external

This is a unit for students with intermediate knowledge of Indonesian. The aim is to develop formal language skills, particularly in academic writing, reading, speaking and listening.

Lectures: 1 hour per week; workshops: 2 x 1 hour per week.

Prerequisites: IND102 Indonesian 2 or IND201 Indonesian 3 or concurrent enrolment in IND201 Indonesian 3 or equivalent level of competency as assessed by the Unit Coordinator.

**Indonesian 5 (IND203)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This is a unit for students with intermediate knowledge of Indonesian. The aim is to develop formal language skills, particularly in academic writing, reading, speaking and listening.

Language workshops: 3 hours per week (hours may be adapted to class size).

Prerequisites: IND202 Indonesian 4 or equivalent level of competency as assessed by the Unit Co-ordinator. Microphone (for external students).

**Indonesian 6 (IND301)**

Credit Points: 3

Not available this year

**Indonesian 7 (IND302)**

Credit Points: 3

Not available this year

**Indonesian Advanced Language Project (IND652)**

Credit Points: 3

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

This unit is designed primarily for students who have completed one year of in-country Indonesian language studies, and aims to develop further advanced language proficiency. Students will examine some issues relevant to translation as well as doing advanced practical work in reading, translation and other skills using a range of contemporary materials

3 hours per semester or by negotiation.

Prerequisites: Enrolment in a graduate-level (AQF level 8 or AQF level 9) Asian Studies course and permission of the Unit Coordinator.

**Industrial and Commercial Energy Efficiency Technologies (PEN626)**

Credit Points: 3

MURDOCH: S2-external

This unit is the second of two units that look at advanced methods in energy efficiency. Topics: heat exchangers, advanced process integration, boilers and steam distribution, cogeneration, electric motors, refrigeration and heat pumps, pumps and fans, dryers, separation and concentration processes.

The unit is co-ordinated and run for students by staff at Massey University in New Zealand as part of a co-operative agreement where Murdoch students can undertake units at Massey and Massey students can undertake units at Murdoch.

External: no attendance required.

Prerequisites: PEC594 Energy Management or equivalent, plus enrolment in the Postgraduate/Graduate Certificate in Energy Studies, Postgraduate/Graduate Diploma in Energy and the Environment, Postgraduate/Graduate Diploma in Energy Studies or Master of Science in Renewable Energy/Master of Renewable Energy.

Co- or prerequisite: PEC425/PEC625 Energy Efficiency, System Analysis and Auditing.

This unit is taught externally/online by staff from Massey University with tutorial support from Murdoch staff.

**Industrial Bioprocessing and Bioremediation (BIO301)**

Credit Points: 4

MURDOCH: S2-internal

Microbes play a key role in industrial and environmental bioprocesses such as pharmaceutical and food production, waste treatment, renewable energy generation and environmental bioremediation. The principles of these bioprocesses are studied using a problem-based approach. The unit investigates how microbial reactions can be predicted and controlled and how oxygen, pH and other conditions affect different bioprocesses. Example topics are: pollutant biodegradation, algae culture, vitamin, antibiotic and beer/wine production, bioleaching, bio-fuels, bio-electricity, bioreactor design and control.

Lectures: 3 hours per week; laboratories/tutorials: 5 sessions; bioreactor group project over 2 weeks.

Learning activities include

- 1) Six interactive computer-based learning tutorials custom made for this unit provide, scientific background, problem solving practice, feedback and online marks.
- 2) Two interactive bioprocess computer simulations to be evaluated quantitatively via data analysis using spreadsheets.
- 3) Laboratory exercise: Optimising an-ongoing computer-controlled bioprocess reactor (enzyme production via chemostat).
- 4) Student-produced, published 'Website-type' assignment (HTML or Powerpoint): contrasting two recent scientific papers in the discipline of bioprocesses.

Prerequisites: CHE144 Foundations of Chemistry/PEC144 Principles of Chemistry and BIO152 Foundations of Cell and Molecular Biology.

**Industrial Bioprocessing and Bioremediation (BIO358)***As for BIO301 except:*

Credit Points: 3

Not available this year

Prerequisites: CHE144 Foundations of Chemistry/PEC144 Principles of Chemistry and BIO152 Foundations of Cell and Molecular Biology.

**Industrial Computer Systems (ENG617)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal

This unit builds upon previous studies in industrial computer based systems associated with the acquisition, processing and analysis of signals. The unit uses a project based approach to provide an opportunity to explore the specification, design, commissioning and testing phases of typical systems development and upgrades. A variety of systems will be used including pilot plant SCADA like systems and standalone control systems.

Meetings/laboratories: by arrangement with the Unit Coordinator.

Prerequisites: ENG501 PLC Applications; ENG502 Computer Based Measurement and Control; ENG564 Industrial Instrumentation Technologies.

**Industrial Computer Systems Design (ENG447)**

**As for ENG454 except:**

Credit Points: 3

Not available this year

**Industrial Computer Systems Design (ENG454)**

Credit Points: 4

MURDOCH: S1-internal

This unit is concerned with the design, specification, and implementation of a process control system, with emphasis upon the industrial computer system, including the following aspects: operator interfaces, historical trending, alarms, interlocks, safety, I/O cabling and wiring, software architecture, point configuration, real-time database startup and shutdown, simulation, testing commissioning and documentation. The unit will require students to implement practical solutions to industrial problems drawing upon their background in preceding units.

Lectures: 2 hours per week; workshops: 2 hours per week; laboratories: 2 hours per week.

Prerequisites: ENG305 PLC Systems; ENG306 Realtime and Embedded Systems; ENG345 SCADA and Instrument Systems.

**Industrial Signals and Systems (ENG514)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal, SUM-internal

This unit aims to provide an understanding and practical experience with the acquisition, processing and analysis of signals obtained from typical engineering systems. It essentially represents a culmination of the material under the broad category of signals and systems. Although a range of theoretical concepts are addressed, emphasis is upon using modern computer-based hardware components and software packages.

Meetings/laboratories: by arrangement with the Unit Coordinator.

Prerequisites: Enrolment in the Master of Engineering or Graduate Diploma in Engineering.

Students are expected to have experience in at least one programming language and fundamental knowledge of electrical circuits and electronics.

**Infectious and Emerging Diseases (VET640)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit will provide students with the knowledge about emerging endemic and epidemic infectious diseases that have a significant impact on livestock production. Both infectious and non-infectious diseases will be discussed and emphasis will be placed on those diseases with significant impact on trade, herd/flock productivity and human health.

Seminars as required.

Prerequisites: Enrolment in Master of Veterinary Studies in Veterinary Surveillance or permission of the Academic Chair.

**Infectious and Parasitic Diseases (VET629)**

Credit Points: 3

MURDOCH: S2-external (quota of 30 places)

This unit reviews diagnosis and treatment of the major infectious and parasitic diseases of companion animals with an emphasis on the organisms of greatest importance in the Australian and Asian regions. Zoonotic diseases and the principles of infectious disease control are also discussed.

External.

Prerequisites: Enrolment in the Master of Veterinary Studies (Small Animal Practice) (M1022), the Master of Veterinary Clinical Studies (M1223), the Doctor of Veterinary Medical Science (D1061) or permission of the Academic Chair.

This unit is subject to quota. Quota is due to limited resources. Students must be enrolled in the College of Veterinary Medicine's postgraduate or graduate courses.

**Information Security Management (ICT357)**

Credit Points: 4

MURDOCH: S2-internal, S2-external

DUBAI-ISC: TJD-internal

KAPLAN-SGP: TJA-internal, TSA-internal

SGP1: TJB-internal, TSB-internal

Security of resources and data is of the utmost priority. Looks at identifying and securing an organisation's data and information technology from strategic and tactical viewpoints. Students will study threats and vulnerabilities of systems security, and different methods of enforcing security, and appropriate methods for securing different types of systems. In considering ethics, legal issues and governance, students will gain experiential knowledge by completing tactical exercises that identify the vulnerability of organisations' information holdings and develop measures to protect these assets.

Lectures: 1 x 2 hours per week; seminars: 1 x 2 hours per week.

Prerequisites: Nil.

**Information Security Policy and Governance (ICT380)**

Credit Points: 3

Not available this year

This unit introduces students to the advanced study of Information Security Policy and Governance at the organisational level. Students will gain an understanding of standards and policies as well as international, national and local regulatory requirements governing organisational information technology systems. The unit will address relevant data protection legislation, industry best practices, risk management techniques and develop the necessary skills to evaluate and measure organisational compliance and to determine appropriate organisational strategy to best support the information security needs.

Prerequisites: Nil.

Exclusions: ICT357 Information Security Management

**Information Systems Management (ICT292)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit explores the acquisition, development and implementation of information systems and infrastructure that support the operational, administrative and strategic needs of organisations. Students will develop the ability to critically assess existing information technology infrastructures, emerging technologies and various IS governance frameworks. Sourcing options for the acquisition of information systems and technologies will be evaluated in the context of organisational needs. This unit prepares students for deeper study of information systems in their final year.

Workshops/seminars: 1 x 2 hours per week; laboratories: 1 x 1 hour per week.

Prerequisites: ICT158 Introduction to Information Systems OR

ICT107 Principles of Information Systems OR ICT170 Foundations of Information Systems

### Information Systems Research Topic (ICT704)

Credit Points: 3

MURDOCH: S1-internal, S2-internal

The purpose of this unit is to introduce students to an advanced topic of current interest within the information systems research community. The exact topic studied in this unit varies as the topic will be taught by an active researcher in that area. Possible topics include: advanced human computer interaction, electronic commerce, small business IT use.

Seminars: 2 hours per week.

Prerequisites: Enrolment in the Doctor of Information Technology.

### Information Technology Literature Review (ICT576)

Credit Points: 3

MURDOCH: S1-internal, S2-internal

The aim of this unit is to support IT honours students by studying the broader research literature in an area of Information Technology. Students will critically review the important works in their chosen area of study. It will give them the skills to be able to discover and analyse the body of literature in their area of study and therefore contribute to their ability to design a quality honours project.

Tutorials: 1 hour per week; seminars: 1 hour per week. The Supervisor will plan these meetings with the student.

Prerequisites: Enrolment in an Information Technology Honours course.

### Information Technology Project (ICT333)

Credit Points: 4

MURDOCH: S1-internal, S1-external, S2-internal, S2-external  
DUBAI-ISC: TJD-internal, TMD-internal, TSD-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal  
SGP1: TJB-internal, TMB-internal, TSB-internal

This capstone unit gives students a 'real-world' experience of IT solution development. Teams of students are assigned projects with clients from academia, NGO's and industry. Teams will build on the skills developed during the study of their majors in areas such as process modelling, systems design, and implementation of IT solutions relevant to the assigned project. The project culminates with a public presentation of the project deliverables. Students are expected to enrol in this unit in their final teaching period.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Supervisor meetings: 1 hour per week.

Prerequisites: ICT218/ICT285 Databases or ICT362/ICT377 Network Security.

This is the capstone unit and as such only students who will be eligible to graduate on the successful completion of the teaching period may enrol in this unit. Students who do not meet this criterion may apply to the unit coordinator for early enrolment. Only in exceptional circumstances will this be considered.

### Information Technology Project Management (ICT508)

Credit Points: 3

MURDOCH: S1-internal

This unit will cover the practice of managing and developing large-scale IT systems. Possible topics include: Project planning, project life cycles/models, standards, project management tools, project control, monitoring and plan adjustment, project scope management, configuration management and version control, time management and scheduling, cost estimating, budgeting and control, risk management, software quality assurance, control and standards, project human resource management and project communication management, project procurement management, project closure.

Workshops: 1 x 3 hours per week.

Prerequisites: Enrolment in a graduate IT course or permission of the Academic Chair.

Exclusions: Students who have successfully completed ICT327 Management of IT Projects or ICT618 Information Technology Project Management may not enrol in this unit for credit.

### Information Technology Research Dissertation (ICT678)

Credit Points: 12

MURDOCH: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

To enrol in this unit, students must submit a proposal for approval by the Academic Chair in consultation with an academic advisor. The purpose of the unit is to provide students with the skills, knowledge and experience to conduct research in information technology-related areas. Students will be in regular contact with their academic supervisor. Students submit a literature review, several progress reports and a substantial final formal report for assessment.

Seminars/supervisor meetings: 1 hour per week average.

Prerequisites: Enrolment in Master of Science in Information Technology (Coursework and Dissertation).

Students cannot self-enrol in this unit.

### Information Technology Research Methods (ICT615)

Credit Points: 3

MURDOCH: S1-internal

This unit is designed to provide an introduction to research for students in information technology areas. It will focus on the kinds of research questions addressed in ICT research, and introduce students to the broad range of research approaches used in ICT research including: design research, experimental research, survey research, action research and case study research. Students will gain the knowledge and skills needed to critically evaluate studies in the ICT literature.

Workshops: 1 x 3 hours per week.

Prerequisites: Enrolment in a graduate IT course or permission of the Academic Chair.

Exclusions: Students who have completed ICT650 Information Technology Research Methods may not enrol in this unit for credit.

**Information Technology Strategy (ICT622)**

Credit Points: 3

MURDOCH: S2-internal

This unit recognises the highly dynamic nature of IT development and its impact on strategic management. Techniques allowing changes to be understood, modelled and tracked in strategic IT management contexts are introduced. Topics include: IT strategy, strategic planning, strategic alignment maturity, the role of the CIO. IT organisational structure, IT governance, and IT human resource issues including outsourcing, change management and contract management.

Lectures/workshops: 1 x 3 hours per week.

Prerequisites: Enrolment in a graduate IT course.

**Instrument and Communication Systems (ENG321)***As for ENG345 except:*

Credit Points: 3

Not available this year

**Instrument and Communication Systems (ENG345)**

Credit Points: 4

MURDOCH: S2-internal

This unit provides a thorough understanding, knowledge and practical experience in SCADA, DCS and process oriented instrumentation systems. Topics include: Process instruments, types, sizing; pressure, flow, load, temperature and level instruments; control elements, hydraulic, pneumatic, electric, mechanical; process instrument and systems communication technologies, field-bus technologies; evolution of SCADA and DCS systems; system architectures; system integration and sizes; operator interfaces, alarm management, and process plant practices. The unit will include some site visits.

Lectures: 2 hours per week; workshops: 2 hours per week; laboratories: 4 hours per week.

Prerequisites: ENG262 Principles of Electronic Instrumentation; ENG267 Control Systems and Process Dynamics.

**Instrumental Analysis (CHE340)**

Credit Points: 4

MURDOCH: S2-internal, S2-external

This unit develops the analytical expertise of students beyond the basic level of CHE/PEC240 Chemical Analysis by focusing on important, modern instrumental methods used for chemical analysis. The focus is on methods such as chromatography, thermal analysis, surface analysis, atomic, mass and vibrational spectroscopies, and radiochemical methods. Special emphasis is placed on emerging analytical technologies. Laboratory classes are organised so students gain valuable 'hands on' experience with instruments they may expect to see in commercial, industrial, and research laboratories.

Lectures/workshops: up to 4 hours per week; laboratories: 1 x 4 hours per week.

External: compulsory 5 day on-campus laboratory session. Due to the nature of the laboratory sessions, students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to commencement of the teaching period.

Prerequisites: CHE240/PEC240 Chemical Analysis or CHE207 Chemical Analysis.

**Instrumentation and Communication (ENG564)**

Credit Points: 3

MURDOCH: S2-internal

This unit provides a review of industrial communications and instrumentation technologies. Research is targeted towards building upon understanding, knowledge and practices developed from more fundamental studies. Through this unit it is expected that an appreciation of modern instrumentation technologies and systems will be gained.

Meetings/laboratories: by arrangement with the Unit Coordinator.

Prerequisites: Enrolment in Master of Engineering or Graduate Diploma in Engineering.

Students are expected to have experience in at least one programming language and fundamental knowledge of electrical circuits and electronics.

**Instrumentation and Control (ENG525)**

Credit Points: 3

MURDOCH: S1-internal

This unit provides the essential material under the broad category of control systems analysis and design. It covers the classical control systems concepts associated with feedback, feedforward and cascade control. Emphasis is upon using computer based analysis and simulation packages with reinforcement through a significant laboratory component.

Meetings/laboratories: by arrangement with the Unit Coordinator.

Prerequisites: Enrolment in Master of Engineering.

Students are expected to have background knowledge in control systems.

**Instrumentation and Control II (ENG508)**

Credit Points: 3

MURDOCH: S2-internal

The main emphasis of this unit is to build upon previous studies in control by regimenting the student in the application of traditional control practices as well as providing some more sophisticated methods. The unit does this by exploring various instrumentation and control methodologies in the context of a number of industrial problems. It will discuss strategies to design complex interacting systems.

Meetings/laboratories: by arrangement with the Unit Coordinator.

Prerequisites: Enrolment in Master of Engineering or Graduate Diploma in Engineering.

Students are expected to have some knowledge and background in control systems.

**Instrumentation and Control Systems Design (ENG420)**

Credit Points: 4

MURDOCH: S1-internal

The unit provides a strong foundation in a number of advanced control topics such as Multivariable Systems, Relative Gain Array and its use in loop selection, Decoupler Design, Model Predictive Control, and HAZOP. The control techniques will be designed then implemented into an industrial Pilot Plant as well as a complex simulation case study and finally their performances are compared using different control performance measures.

Lectures and workshops: 1 x 4 hours per week; laboratories: to be organised between the student and the Unit Coordinator.

Prerequisites: ENG304 Control Engineering I; ENG346 Control Engineering II; ENG303 Advanced Process Engineering or EXM224 Principles of Unit Operations.

### **Instrumentation and Control Systems Design (ENG445)**

*As for ENG420 except:*

Credit Points: 3

Not available this year

### **Insurance Law (LAW319)**

Credit Points: 4

Not available this year

An understanding of insurance law is important for both commercial and litigation lawyers. Most major commercial litigation involves at least one insurer. Commercial contracts often have insurance ramifications. In this unit students will gain an understanding of the special qualities of an insurance contract both at common law and pursuant to the Insurance Contracts Act 1984 (C'th). If time permits, marine insurance will also be covered.

Lectures: 3 hours per week.

Prerequisites: LEG120 (prior to 2012)/LAW120 Research and Writing, LEG150 (prior to 2011)/LAW150 Australian Legal System, LAW152 Torts, LAW130 Criminal Law and Procedure, LAW260 Contract.

### **Insurance Law (LLB319)**

*As for LAW319 except:*

Credit Points: 3

Not available this year

Prerequisites: LEG120 (prior to 2012)/LAW120 Research and Writing, LEG150 (prior to 2011)/LAW150 Australian Legal System, LAW152 Torts, LAW130 Criminal Law and Procedure, LAW260 Contract.

Exclusions: students who have completed LAW319 Insurance Law may not enrol in this unit for credit.

### **Integrated Clinical Studies 1 (EQU041)**

MURDOCH: S1-internal

This unit facilitates the integration and understanding of Small Animal Surgery, Avian, Exotic Pet and Wildlife Practice, Equine Practice, and Reproduction and Obstetrics.

Tutorials/workshops: 2 hours per week.

Prerequisites: This unit is restricted to Aboriginal and Torres Strait Islander students who entered Veterinary Science through the Waardong program.

### **Integrated Clinical Studies 2 (EQU042)**

MURDOCH: S2-internal

This unit facilitates the integration and understanding of Small Animal Medicine, Cattle and Camelid Medicine, Production and Surgery, Small Ruminant Medicine and Production, and Intensive Industries Medicine and Production.

Tutorials/workshops: 2 hours per week.

Prerequisites: This unit is restricted to Aboriginal and Torres Strait Islander students who entered Veterinary Science through the Waardong program.

### **Integrated Clinical Studies 3 (EQU043)**

MURDOCH: S1-internal

This unit facilitates the integration and application of Clinical Rotations and Professional Practice Management.

Tutorials/workshops: 2 hours per week.

Prerequisites: This unit is restricted to Aboriginal and Torres Strait Islander students who entered Veterinary Science through the Waardong program.

### **Integrated Clinical Studies 4 (EQU044)**

MURDOCH: S2-internal

This unit facilitates the integration and application of Clinical Rotations, Professional Practice Management, and Special Assignments.

Tutorials/workshops: 2 hours per week.

Prerequisites: This unit is restricted to Aboriginal and Torres Strait Islander students who entered Veterinary Science through the Waardong program.

### **Integrated Early Childhood Curriculum (EDN322)**

Credit Points: 4

MURDOCH: S2-internal, S2-external

This unit builds on EDN320/EDN3201/EDU322/3221 Principles and Practices in Early Childhood Education and explores curriculum implications for the pre and early primary years. It addresses integrated curriculum planning for children aged 3 to 8 years and continues to develop the links between theory and practice in early childhood education introduced in EDN320/EDN3201 Principles and Practices in Early Childhood Education.

Lectures: 1 per week; workshops: 2 hours per week.

Prerequisites: EDN355/EDN320/EDN3201/EDU322/EDU3221 Principles and Practices in Early Childhood Education. B.Ed students must also have successfully completed EDU101/EDU1011 Introduction to Teaching OR EDN111 Language for Learning and Teaching and BED150/EDN112/EDN1121 Understanding Teachers' Work.

### **Integrated Early Childhood Curriculum (EDN354)**

*As for EDN322 except:*

Credit Points: 3

MURDOCH: S2-internal, S2-external

Lectures: 1 hour per unit topic; workshops: 2 hours per unit topic.

Prerequisites: EDN320/EDN3201/EDU322/EDU3221 Principles and Practices in Early Childhood Education. Students must also have successfully completed EDU101/EDU1011 Introduction to Teaching OR EDN111 Language for Learning and Teaching and BED150/EDN112/EDN1121 Understanding Teachers' Work.

Exclusions: Students who have successfully completed EDU323/EDN322 Integrated Early Childhood Curriculum may not enrol in this unit for credit.

### **Integrated Early Childhood Curriculum for Educators (EDN522)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit builds on EDN520 Advanced Principles and Practices in Early Childhood Education and explores curriculum for the pre and early primary years. It addresses integrated curriculum planning,

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programming, assessment and documentation for children aged 3 to 8 years with specific reference to the Australian National Curriculum and the Early Years Learning Framework. This unit continues to develop the links between theory and practice for teachers wishing to make early childhood their specialisation.

Lectures: 1 hour per week, workshops: 2 hours per week.

Prerequisites: Enrolment in the Graduate Diploma in Early Childhood Care and Education OR Graduate Certificate in Early Childhood Education OR Master of Education (Coursework); Successful completion of EDN520 Advanced Principles and Practices in Early Childhood Education.

### **Integrated Marketing Communications (BUS302)**

Credit Points: 3

Not available this year

The learning objectives of this unit are premised on developing a practical understanding of marketing communication processes. Students will critically examine differences among various elements of the promotion mix (i.e. advertising, sales promotion, direct marketing, technology based marketing, sponsorships and public relations) to develop appropriate marketing communication strategies across myriad marketing environments.

Prerequisites: BUS273/ BUS299 consumer Behaviour

Exclusions: Students who have successfully completed BUS336 Integrated Marketing Communications may not enrol in this unit for credit.

### **Integrated Marketing Communications (BUS336)**

**As for BUS302 except:**

Credit Points: 4

MURDOCH: S1-internal, S1-external  
DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TJA-internal, TSA-internal  
KDUPJ: S1U-internal  
SGP1: TJB-internal, TSB-internal

Lectures/workshops: 3 hours per week.

Prerequisites: BUS273/ BUS299 Consumer Behaviour

### **Intellectual Property and the Internet (LLB379)**

Credit Points: 3

MURDOCH: SUM-internal

This unit covers the following:

- Domain names and the developing international jurisprudence around domain name disputes;
- Search engine optimisation and the law - 'white hat' v. 'black hat' SEO tactics, Google keywords, Google Adwords, Google Adsense, and relevant Australian and international case law;
- Social media and the law - IP infringement, defamation, privacy, and misleading and deceptive conduct in social media environments;
- Technology contracts including software licensing agreements, software maintenance agreements, software development agreements, and software source code agreements.

Lectures: 1 x 2 hours per week.

Prerequisites: Successful completion of all Part I Law units plus LAW260/LLB260 Contract.

### **Intelligent Systems (ICT219)**

Credit Points: 4

MURDOCH: S2-internal, S2-external

This unit provides an introduction to fundamental concepts and techniques of intelligent systems by studying the uses of artificial intelligence in computer games. The embedding of software controlled agents in a virtual game environment allows basic concepts of perception, behavioural control and action to be studied in a vivid and engaging fashion. Topics: introduction to artificial intelligence, agents, bots and the game AI approach, knowledge representation, state machines, rule-based systems, machine learning, neural networks and genetic algorithms.

Lectures: 2 hours per week; tutorials: 2 hours per week (1 hour unsupervised).

Prerequisites: ICT104/ICT167 Principles of Computer Science or enrolment in a graduate IT course.

### **Intelligent Systems (ICT319)**

Credit Points: 3

Not available this year

Offers an introduction to the fundamental concepts and techniques of artificial intelligence focusing on expert systems to solve engineering problems, data mining in business applications, data analysis for industries and intelligent agents in computer games. Topic include: introduction to artificial intelligence and applications; introduction to game AI; rule based expert systems; neural computing; fuzzy logic; genetic algorithms, intelligent agents, state machines and methods of evaluating these technologies.

Lectures: 1 x 2 hours per week (theory and practice); laboratories: 1 x 2 hours per week (1 hour supervised) (practice).

Prerequisites: ICT167 Principles of Computer Science OR ICT104 Principles of Computer Science.

### **Intelligent Systems Applications (ICT619)**

Credit Points: 3

MURDOCH: S2-internal

An overview of the application and associated theories of Artificial Intelligence (AI), Soft Computing, and techniques used in developing intelligent systems. Emphasis is on business, management, social, science and engineering problems. Upon completion students should be able to evaluate intelligent systems and manage the application of various tools available for developing such systems. Topics included are: rule-based systems, artificial neural networks, fuzzy systems, genetic algorithms, data mining, case-based reasoning, intelligent agents and optimisation techniques.

Lectures/workshops: 3 hours per week.

Prerequisites: Enrolment in a graduate-level IT course.

### **Intensive Industries Medicine and Production (VET451)**

Credit Points: 2

MURDOCH: YM-internal

The course covers the diagnosis, treatment, prevention and control of diseases of intensively farmed species with emphasis on pigs and poultry. Particular emphasis is placed on the prevention of disease and correction of management and nutritional factors affecting production. The general principles involved in the investigation of herd and flock problems and formulation of herd and flock health and production programs is emphasised.



Lectures: 24 hours; practicals: 12 hours.

Prerequisites: Enrolment in Applied Veterinary Medicine. Completion of VET459 Surgical Secrets, VET456 Anaesthesia, Emergency and Critical Care, VET462 Veterinary Diagnostic Imaging, VET461 General Small Animal Practice.

### Interaction Design (MCC379)

Credit Points: 4

MURDOCH: S1-internal

This unit explores the theory and practice of interaction and interface design particularly in relation to interaction mediums such as the web, screen devices and games. A range of interaction design methods will be explored such as user experience design, goals centred design, prototyping, usability testing, information architecture and interface design.

Online lecture; media laboratories: 2.5 hours per week

Prerequisites: Nil.

### International Aid and Development (SUS309)

Credit Points: 3

Not available this year

Prerequisites: Nil.

### International Business (MBS630)

*As for MBS675 except:*

Credit Points: 4

DUBAI-ISC: TMD-internal  
KAPLAN-SGP: TMA-internal  
SGP1: TJQ-internal

Lectures/seminars/workshops: 3 hours per week.

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students who have successfully completed C551 Asia Pacific Business Strategies, C555 Cross-Cultural Management and/or MBS675 International Business may not enrol in this unit for credit.

### International Business (MBS675)

Credit Points: 3

MURDOCH: SP17-internal, SP17-external

Prepares managers for the globalisation of business. Explores requirements for effective cross-cultural management and strategies for exploiting cultural diversity in the workplace to achieve competitive advantage. Topics: cultural analysis; comparing cultures; culture and organisational structures; patronage relationships; cross-cultural communication; motivation and conflict resolution; international negotiation skills; Chinese family business strategies; international joint ventures; international staffing policies; Asia as a market, resource base and source of learning; business-government relationships; headquarters, regional headquarters and subsidiary control and coordination.

9.00am to 5.30pm on designated weekends.

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students who have successfully completed MBS630 International Business may not enrol in this unit for credit.

### International Business Negotiations (MBS636)

Credit Points: 3

MURDOCH: SP17-internal, SP17-external

This unit analyses the nature of negotiation, examines negotiating strategies, tactics, processes and considers impacts of emotion on the negotiating process. This unit is aimed at equipping managers with the tools necessary to enable them to effectively participate and engage in cross-cultural negotiations.

9.00am to 5.30pm on designated weekends

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students who have enrolled in MBS699 Special Topics in International Business: Negotiations may not enrol in this unit for credit.

### International Education: Issues and Practices in Schools (EDN513)

*As for EDU613 except:*

Credit Points: 3

MURDOCH: SP3-internal

5 day on campus intensive at the Murdoch campus

Field experience in an International Baccalaureate school.

Prerequisites: Enrolment in the Master of Education (Coursework) OR Master of Asian Studies.

### International Education: Issues and Practices in Schools (EDU613)

Credit Points: 4

DUBAI-ISC: TMD-internal

This is the core unit for the Graduate Certificate of International Ed. The approach to learning is based on inquiry and reflection. This unit introduces historical and contemporary issues and practices related to international education, schools, teachers and students. A range of international curricular are examined, particularly the International Baccalaureate suite of Programs (PYP, MYP, DP). The unit includes field experience in IB schools (for non-IB teachers). A digital Portfolio of Learning will be developed against the IB Standards and Practices.

Five-day intensive program delivered on campus including time in IB schools to contextualise theory and practice. Dubai offering is aligned with teaching period.

Non-IB students will undertake school visits to observe and discuss planning, teaching and assessment strategies of IB Schools.

Prerequisites: Enrolment in the Master of Education (Coursework) (Offshore).

This unit is for qualified teachers.

### International Finance (BUS322)

*As for BUS330 except:*

Credit Points: 4

MURDOCH: S2-internal, S2-external  
DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TJA-internal, TSA-internal  
SGP1: TJB-internal, TSB-internal

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: BUS244 Treasury Management.

**International Finance (BUS330)**

Credit Points: 3

Not available this year

Topics: foreign exchange markets, futures, options, forward markets and currency swaps, determination of exchange rates, purchasing power parity, interest rate parity, hedging and the management of foreign exchange risk, asset and liability management for the multinational corporation, international portfolio investment.

Prerequisites: BUS224/BUS288 Treasury Management

Exclusions: Students who have completed BUS322 International Finance may not enrol in this unit for credit

**International Financial Markets and Institutions (BUS290)**

Credit Points: 4

MURDOCH: S1-internal, S1-external  
KAPLAN-SGP: TJA-internal, TSA-internal  
SGP1: TJB-internal, TSB-internal

This unit provides a comprehensive analysis of the global financial system, with particular focus on the financial markets of Australia, China and the U.S. The unit also analyses current theories, issues and institutions relevant to the global trading system. The dominant theme of this Unit is the interdependence of the trading and financial systems in an increasingly globalised market.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: BUS161 Introduction to Economics.

Exclusions: Students who have completed BUS290 Money Markets may not enrol in this unit for credit.

**International Financial Markets and Institutions (BUS390)***As for BUS290 except:*

Credit Points: 3

Not available this year

Lectures: 2 hours per week; tutorials: 1 hour per week

Prerequisites: BUS161 Introduction to Economics.

Exclusions: Students who have completed BUS290 Money Markets or BUS290 International Financial Markets and Institutions may not enrol in this unit for credit.

**International History (SWM633)**

Credit Points: 3

MURDOCH: S1-internal

This unit examines the international history of the modern state system, from the Peace of Westphalia (1648) until the end of the Cold War (1989), focusing on themes such as the nature of sovereignty; the formation and implementation of foreign policy; the role of diplomacy and political leadership; the development of international organisation; and the origins and ending of wars. Students will use contemporary documents to engage with key problems and to test the interpretive frameworks of modern historiography.

Seminars and workshops are delivered in intensive teaching mode (24 hours contact time), which may include evenings and weekends. Students will then complete research assignments independently, in consultation with teaching staff.

Prerequisites: Enrolment in Master of International Affairs, Master of Development Studies, or Master of Public Policy and Management.

Exclusions: Students who have successfully completed SSH633 International History may not enrol in this unit for credit.

**International Human Rights Organisations (LLB376)**

Credit Points: 3

GENEVA: S2G-internal

Focuses on the nature, origins, and operations of international human rights organisations framework, including looking at the United Nations, associated organisations and NGOs. Topics covered include treaties, mechanisms and the application of standards relating to international human rights law. Students will also learn how these organisations operate in practical terms, their role in promoting and enforcing human rights, and their practical strengths and limitations.

Seminars/lectures: 10 hours per week, taught intensively.

Prerequisites: Successful completion of LAW258/LLB358 Australian Administrative Law and LAW259/LLB259 Constitutional Law.

The S2G enrolment option for this unit is offered as part of the International Human Rights Law Program in Geneva, Switzerland. Enrolment in this program is by application. Students enrolling in the program are responsible for their own airfares, accommodation and incidental expenses during the program. Contact the School of Law for further information.

**International Law (LLM601)**

Credit Points: 3

MURDOCH: S1-internal

This unit deals with the fundamentals of public international law as the legal basis of international relations, aiming to provide students with a working knowledge and understanding of the fundamental principles on which this area of law rests. Topics include the history of public international law, its sources, the subjects of international law, concepts such as legal personality and sovereignty, the relationship between international and domestic law, the peaceful settlement of disputes and the use of force in international law.

Seminars and workshops are delivered in intensive teaching mode (24 hours contact time), which may include evenings and weekends. Students will then complete research assignments independently, in consultation with teaching staff.

Prerequisites: Enrolment in a graduate-level course.

**International Management (BUS323)**

Credit Points: 4

MURDOCH: S1-internal, S1-external  
DUBAI-ISC: TMD-internal  
KAPLAN-SGP: TMA-internal  
KDUPJ: S1U-internal  
SGP1: TMBI-internal

This unit aims to provide a framework for the analysis of problems and issues in managing an international business. The focus is on contemporary worldwide issues of competitiveness and how these are influenced by the cultural, political and economic environments. Topics: cross-cultural management issues; international strategic planning; international organisational structures; cross-cultural communication, decision-making, motivation and leadership; expatriation and repatriation of managers; and international human resource management and labour relations.

Lectures: 2 hours per week; seminar: 1 hour per week.

Prerequisites: BUS240 Organisation and Management Development or BUS223 Organisational Theory and Behaviour or BUS293

Organisational Theory & Behaviour or BUS298 Organisation Development and Change or BUS297 Principles of Human Resources Management

### **International Management (BUS344)**

*As for BUS323 except:*

Credit Points: 3

Not available this year

Lectures: 2 hours per week; seminars: 1 hour per week.

Prerequisites: BUS240 Organisation and Management Development or BUS223 Organisational Theory and Behaviour or BUS293 Organisational Theory & Behaviour or BUS298 Organisation Development and Change or BUS297 Principles of Human Resources Management

Exclusions: Students who have successfully completed BUS323 International Management may not enrol in this unit for credit.

### **International Marketing (BUS321)**

Credit Points: 4

MURDOCH: S2-internal, S2-external  
DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TJA-internal, TSA-internal  
SGP1: TJB-internal, TSB-internal

International Marketing is necessary for firms wishing to participate in the global economy. The unit will focus on key elements that a firm must assess when planning to commence, or continue, marketing its product overseas. Students will cover everyday issues associated with international marketing, particularly where they differ from domestic marketing. The basic approach and principles build on the information in the prerequisite units.

Lectures/workshops: 3 hours per week.

Prerequisites: BUS273 or BUS299 Consumer Behaviour.

### **International Marketing (BUS343)**

*As for BUS321 except:*

Credit Points: 3

Not available this year

Prerequisites: BUS273/BUS299 Consumer Behaviour

Exclusions: Students who have successfully completed BUS321 International Marketing may not enrol in this unit for credit.

### **International Marketing Management (MBS573)**

Credit Points: 3

MURDOCH: AU2-internal

Internationalisation and the rapid globalisation of existing and new markets present unique opportunities for expansion strategies with operations in markets previously unthinkable and impossible to penetrate. However, globalisation poses competitive challenges and external risks. Marketing management in a global environment is more challenging than marketing in a domestic/home country market. Using case studies, the unit will explore a range of topics including theoretical perspectives on planning a global strategy, identifying market segments, competitor analysis, marketing mix, and evaluation.

The main mode of learning is facilitated through a combined lecture and seminar style of workshops for 7 weeks and one intensive weekend block mode delivery workshop.

Self-directed and guided research regarding international marketing management learning will be expected to augment learning.

Prerequisites: Nil.

### **International Political Economy (POL298)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit is an introduction to the subject of international political economy. It reviews key conceptual approaches to the politics of the world economy; examines key processes of economic globalisation (trade, finance, multinational corporations); and considers debates and controversies over development pathways, globalisation and the rise of new economic powers. Students will develop an understanding of the politics of the global economy, and gain the skills to engage with major contemporary international economic and policy challenges.

Lectures: 1.5 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil.

Exclusions: Students who have completed POL299 International Political Economy may not enrol in this unit for credit.

### **International Political Economy (SWM632)**

Credit Points: 3

MURDOCH: S2-internal

This unit examines the governance of the global economy, and explores its relationship with broader patterns of world order and international affairs. It examines the role of international economic institutions, the global trade and investment regimes, non-state actors and economic regionalism in contributing to the governance of global economic activity. It equips students with the analytical capacity essential for comprehending the key structural and political factors shaping the settings for economic policy at the national and international levels.

Seminars and workshops are delivered in intensive teaching mode (24 hours contact time), which may include evenings and weekends. Students will then complete research assignments independently, in consultation with teaching staff.

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students who have successfully completed POL699 Politics of Globalisation or SSH632 International Political Economy may not enrol in this unit for credit.

### **International Relations Theories (SWM634)**

Credit Points: 3

Not available this year

This unit introduces students to theories of International Relations relevant to the study of international conflict, peace, security and dynamics in the global political economy. It will examine various articulations of neorealist, neoliberal, constructivist, critical, feminist and other bodies of intellectual theory. The unit provides students with the theoretical frameworks to interpret the constraints and opportunities facing public and private policymakers trying to embark on collective international action and national regulation.

Seminars and workshops are delivered in intensive teaching mode (24 hours contact time), which may include evenings and weekends. Students will then complete research assignments independently, in consultation with teaching staff.

Prerequisites: Enrolment in Master of International Affairs, Master of Development Studies or Master of Public Policy and Management.

Exclusions: Students who have successfully completed POL603 International Relations Theory or SSH634 International Relations Theories may not enrol in this unit for credit.

### **International Relations Theory and Practice (POL224)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit introduces students to the field of international relations (IR). It examines the connection between IR theories and practices and processes in the 'real world' of international relations. The unit reviews changing patterns of state sovereignty, the role of international organisations, changing patterns of world order, and the impact of globalisation. Through the course students will develop an understanding of IR theories, examine key structures in international politics, and use theory to critically analyse contemporary issues in international affairs.

Lectures: 1.5 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil.

### **International Security and Strategy (SWM635)**

Credit Points: 3

MURDOCH: S2-internal

The history of international relations has been a history of warfare. However, the nature, scope and objectives of war have changed over time. Broadly, wars can be of three types: classical inter-state wars; wars involving the use of weapons of mass destruction; and the 'new' wars. We will analyse all three types of warfare to understand the causes of war and to understand the objectives, uses and relevance of military power in international relations.

Seminars and workshops are delivered in intensive teaching mode (24 hours contact time), which may include evenings and weekends. Students will then complete research assignments independently, in consultation with teaching staff.

Prerequisites: Enrolment in Master of International Affairs, Master of Development Studies, or Master of Public Policy and Management.

Exclusions: Students who have successfully completed POL608 International Security and Strategy or SSH635 International Security and Strategy may not enrol in this unit for credit.

### **International Security Studies (POL291)**

Credit Points: 4

Not available this year

This unit defines international security broadly to incorporate political, societal, military, environmental, economic and technological factors. After examining the competing theories of international politics and different conceptions of security, the focus shifts to the post-Cold War international system and especially the roles of the United Nations and international law in international security. It utilises case studies from various regions to explain the changing dimensions of security.

Lectures 1.5 hour per week; tutorials 1 hour per week.

Prerequisites: Nil.

### **International Security Studies (POL345)**

Credit Points: 3

Not available this year

This unit defines international security broadly to incorporate political, societal, military, environmental, economic and technological factors. After examining the competing theories of international politics and different conceptions of security, the focus shifts to the post-Cold War international system and especially the roles of the United Nations and international law in international

security. It utilises case studies from various regions to explain the changing dimensions of security.

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

Exclusions: Students who have completed POL291 International Security Studies may not enrol in this unit for credit.

### **International Study Tour (BUS352)**

Credit Points: 4

Not available this year

This short stay (15 to 22 days) international study tour provides an in-country cross-cultural experience of civilisation, art, music, business, politics, history, language, life and business of the destination country. It is designed to increase a student's international exposure and develop global-mindedness. Coursework occurs before, during and after the tour. Students are advised to email MBSStudytour@murdoch.edu.au for further details.

Lectures: 12 hours contact pre Study Tour.

Prerequisites: Approval of the Unit Coordinator based on references and letter of intent.

This unit is available to all undergraduate students through the application process. This is an elective unit. Students wishing to undertake this unit may require approval for a program variation from their Academic Chair.

The tour costs will include return airfares, airport transfers, accommodation, tours, transport through Europe, Business and University visits and some meals as arranged by Murdoch University. Prices are subject to exchange rate fluctuations. Students are also required to pay for their own incidental expenses, including passport, visa, taxis, vaccinations, personal health items, personal shopping and some meals.

This unit is subject to quota. Quota is due to the limited number of places available on the study tour. Students must have completed at least 24 points of their undergraduate degree. Selection is by application only.

### **International Trade and Development (BUS309)**

Credit Points: 3

Not available this year

### **International Trade Law (LLB311)**

Credit Points: 3

IMACERATA: S2G-internal (quota of 35 places)

Consider contemporary policies and legal issues in international trade regulation. Examine the concept of free trade and the international structures that foster the liberalisation of international trade.

Taught intensively over one week: refer to Teaching Timetable for details.

Prerequisites: The equivalent of two years of full-time study towards an LLB.

Concurrent enrolment in LAW258/LLB358 Australian Administrative Law, if not already completed.

This unit is subject to quota. Quota is due to limited resources. Preference may be given to students in Law in their final year.

**Internet Systems Programming (ICT336)**

Credit Points: 4

MURDOCH: S1-internal, S1-external

This unit is an advanced unit in Internet and Web technologies. Topics include: Introduction to Web 2.0 technologies, management of web servers, design and implementation of Rich Internet Applications, XML and associated tools and technologies, and developing Web Service applications. The unit gives practical programming experience in the context of HTTP, XML, IIS, Web Services, RIA and ASP.NET.

Lectures: 2 hours per week; tutorials: 2 hours per week (1 hour unsupervised).

Prerequisites: ICT211 Web Computing.

Exclusions: Students who have successfully completed ICT336 Advanced Internet Computing may not take this unit for credit.

**Internship (SHP648)**

Credit Points: 6

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

This unit enables students to undertake an industry based internship project over one semester in the areas of health management, quality, risk, clinical or corporate governance in a health or aged care service. The internship project will be organised to suit a student's location, available hours and will be conducted under the supervision of the lecturer and nominated preceptor. Students will benefit through working with experienced health professionals and being responsible for the design implementation or evaluation of a project.

A workplace-based placement will be negotiated by the student in consultation with the lecturer. The placement will be conducted over an equivalent of one day per week for the 14 teaching weeks of the semester.

Prerequisites: Enrolment in a Graduate course.

Exclusions: Students who have successfully completed NUR648 Internship may not enrol in this unit for credit.

**Internships (WIL) (LLB301)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal

The unit involves working as an intern in an external agency. It could be working in a law firm, government department or NGO. Those participating in the unit will acquire practical legal skills (drafting, research, advocacy, interviewing and negotiation) as well as other skills such as communication, problem solving and teamwork. Through this work, students will reflect on and demonstrate a better understanding of the role of law and lawyers in society.

This unit will consist of up to 130 hours at the placement and 20 hours self-study.

Prerequisites: LAW120/LLB120 Legal Writing for Lawyers; LAW150/BJU100 Australian Legal System.

**Introduction to 3D Graphics and Animation (ICT101)**

Credit Points: 3

Not available this year

This unit introduces the fundamentals of computer graphics, animation, audio and video, which is essential for multimedia and digital content development such as computer and video games. Tools and techniques used for the creation, manipulation and

transformation of visual and audio information are also introduced. Topics include: understanding of bitmap and vector graphics; processing computer graphics; 2D and 3D geometry; nature of 3D graphics; use of vectors and matrices in graphics; geometric manipulation of 3D graphics; shading; animation; audio; video.

Lectures: 1 x 2 hours per week; tutorials: 1 x 2 hours per week (1 hour supervised and 1 hour unsupervised).

Prerequisites: Nil.

Exclusions: Students who have successfully completed ICT217 Digital Images, Graphics and Audio may not enrol in this unit for credit.

**Introduction to Accounting (BUS160)**

Credit Points: 3

DUBAI-ISC: TJD-internal, TSD-internal

This unit provides an introduction and broad overview of fundamental financial and management accounting concepts. The unit is suitable for anyone undertaking a commerce degree as it introduces students to concepts and practices necessary for a basic understanding of business reports. The topics addressed in financial accounting include the accounting equation, cash vs accrual accounting, Australian Accounting Standards, and financial statement analysis. Management accounting topics include an introduction to budgeting, CVP analysis and cost behaviour.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil.

Exclusions: Students who have completed BUS170 Foundations of Accounting may not enrol in this units for credit

**Introduction to Applications of Psychology (PSY171)**

Credit Points: 3

KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

Psychological study and practice covers the vast spectrum of all human behaviour and thought. This unit will explore some of the more interesting issues faced when working as a psychologist. The unit will focus on how psychologists work in such areas as: child development and education; counselling and treatment of clinical disorders; organisational management and human resources; and many more specialist areas. This unit will also cover issues of professionalism, ethics, regulation and the practicalities of becoming a psychological professional.

Lectures/tutorials/laboratories/seminars: 3 hours per week.

Prerequisites: Nil.

**Introduction to Audio Production (SOU101)**

Credit Points: 3

MURDOCH: S2-internal (quota of 90 places)

This is a content creation-focused unit that introduces the principles of analogue audio which relate to all types of audio production. Digital audio theory and newer audio technologies such as MIDI, digital audio workstations and virtual instruments are also introduced. Audio technologies offering less traditional types of composition strategies and manipulation are also explored. The unit is set against the background of an emerging research area centred on what it means to be a digital musician or audio producer.

Lectures: 1 hour; workshops: 1.5 hours.

This unit enhances the learning experiences by introducing tablet-based audio technology, as a consequence the metaphor of the computer as a tool is emphasised. Outcomes centre around

creative use rather than learning how to operate software suites.

Prerequisites: Nil.

This unit is subject to quota. Quota is due to space and equipment constraints and the supervision demands of a production environment. Preference will be given to students in BA Sound or BA Radio.

### **Introduction to Australian and International Intellectual Property (LLB375)**

Credit Points: 3

MURDOCH: S2G-internal

This unit provides an introduction to the four principal intellectual property rights (copyright, design, patent and trademark) and the legal frameworks of their protection at both the domestic Australian and international levels.

Taught intensively over 1 week: refer to the teaching timetable for details.

Prerequisites: All Part I core units plus LAW260 Contract.

Exclusions: Students who have successfully completed LAW375 Intellectual Property: Trade Marks and Copyright may not enrol in this unit for credit.

### **Introduction to Australian Indigenous Studies (AIS180)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

Australian Indigenous Studies is a dynamic intercultural and interdisciplinary field of inquiry. This unit introduces students to the discipline of Indigenous Studies and some of the areas of specialisation at Murdoch. This unit explores the importance of positioning yourself as a student of Indigenous studies and the concept of negotiating speaking positions when working with Indigenous people and knowledges. Finally, the unit considers current debates and their impact on the discipline's future, thus preparing students for further Indigenous Studies.

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

### **Introduction to Biochemistry and Nutrition (CHI281)**

Credit Points: 4

MURDOCH: S1-internal

Knowledge of intermediary metabolism is central to the understanding of the healthy metabolic state in humans, from which disturbances in metabolism associated with disease and principles of treatment can be appreciated. The unit emphasises an understanding of metabolism and metabolic principles which provide a foundation for basic human nutrition. Students will gain an understanding of basic nutrition, nutritional tools and resources. Upon completion, students will be able to apply the basic principles of biochemistry and nutrition in their professional practice.

Lectures: up to 6 hours per week; practicals/tutorials/workshops: up to 4 hours per week.

Prerequisites: BIO152 Cell Biology, BMS101 Introduction to the Human Body.

Exclusions: Students who have successfully completed CHI213/EXS213 Nutrition may not enrol in this unit for credit.

### **Introduction to Chemical Concepts (CHE145)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit provides principles of physical, inorganic and organic chemistry that are required for further studies in the chemical and related sciences. Topics covered include electronic structure, molecular orbitals and reactivity, principles of spectroscopy, physicochemical properties of solids, liquids and gases, trends in properties of inorganic compounds, Lewis acids and bases, nomenclature, isomerism and basic reactions of coordination compounds, redox reactions and electrochemistry, and fundamentals of organic reaction mechanisms. These concepts are supported by practical exercises in the laboratory.

Lectures: 3 x 1 hour per week; laboratories: 1 x 3 hours per week; tutorials: 1 hour per week.

Prerequisites: CHE140 Fundamentals of Chemistry (or equivalent e.g. a WACE final scaled score of more than 50% in Chemistry 3A/3B); CHE144 Foundations of Chemistry (may be studied concurrently).

### **Introduction to Chiropractic (CHI109)**

Credit Points: 3

MURDOCH: S2-internal

This unit provides the initial step towards becoming a member of the chiropractic profession. From a sociological perspective it examines the history of the professions in general and that of chiropractic specifically. It introduces skills, knowledge, and attitudes including the core professional virtues of trustworthiness and altruism. It examines the profession's past and present interface with society, particularly the doctor/patient relationship. Practical sessions build psychomotor skills in palpation by exploring surface anatomy and developing basic physical examination skills.

Lectures/Online learning: 1 hour per week; tutorial/workshops: 1 hour per week; practical laboratories: 2 hours per week.

Prerequisites: Nil.

Exclusions: CHI124/EXS124 Principles of Sports Science

### **Introduction to Clinical Practice (VET331)**

Credit Points: 6

Not available this year

### **Introduction to Clinical Skills (VET411)**

Credit Points: 6

Not available this year

### **Introduction to Clinical Studies (EQU036)**

MURDOCH: S2-internal

This unit extends and consolidates students' discipline specific skills and understanding of VET456 Anaesthesia, Emergency and Critical Care, VET462 Veterinary Diagnostic Imaging, VET461 General Small Animal Practice and VET459 Surgical Secrets.

Tutorials: 8 hours per week.

Prerequisites: This unit is restricted to Aboriginal and Torres Strait Islander students who entered Veterinary Science through the Waardong program, and are in the third year of the veterinary course.

**Introduction to Communication (CMS100)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit is a foundational unit in Communication and Media Studies. The unit introduces students to the fundamental principles of communication, and Communication as an academic discipline. It familiarises students with the main approaches and key concepts in Communication Studies, and trains students in the semiotic analysis of verbal and nonverbal communication. This introductory unit also contains practical skills in professional communication. It furthermore includes elementary research skills in communication.

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

**Introduction to Communication and Media (MCC108)**

Credit Points: 3

DUBAI-ISC: TMD-internal

This unit introduces students to foundational concepts and theories pertinent to the study of media, and its relations to culture and society. Media is understood as a global discourse that is traditional and contemporary, incorporating historical and new perspectives. We explore the role media plays in shaping institutions, identities and legal and ethical positions. Students will have opportunities to think critically about media and culture via mixed modes of assessment, including research papers, presentations, web-based interactions and regular journals.

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed MCC108 Introduction to Mass Communication; or MSC134/MCC134 Media Industries; or MCC108 Introduction to Communication and Culture or MCC108 Introduction to Communication and Media may not enrol in this unit for credit.

**Introduction to Community Development (COD125)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit introduces students to sociological approaches to community development, with particular reference to its application in the Australian context. It will examine the emergence of the concept of community development and its meanings across diverse areas of practice. A key focus of the unit will be challenges posed by matching theory and practice in community development. Towards this end students will be expected to become familiar with and aware of the limitations of key methodologies in community development.

Lectures/tutorials: up to 3 hours per week.

Prerequisites: Nil.

**Introduction to Computer Science (ICT102)**

Credit Points: 3

DUBAI-ISC: TJD-internal, TSD-internal

This unit introduces key aspects of computer science including data storage and manipulation, and problem solving using a high-level programming language. Topics: the components of a modern computer system; fundamental concepts of data storage; function of operating systems; algorithms and problem solving; fundamental aspects of a programming language including data types, input/output, simple selection and iteration control structures,

procedural and data abstraction, one-dimensional arrays and strings.

Lectures: 2 hours per week; tutorials: 3 hours per week (1 hour unsupervised).

Prerequisites: Nil.

Exclusions: Students who have successfully completed ENG108 Engineering Computing I may not enrol in this unit for credit.

**Introduction to Creative Arts Therapies in Counselling (CSL676)**

Credit Points: 3

MURDOCH: S2-internal

Creative Arts Therapies provide a context for the intentional use of arts processes for therapeutic goals; allow non-verbal experience to be expressed in a counselling context; and facilitate the exploration of connections between clients' internal experience and its expression.

Lectures: 3 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed PSY676 Counselling: Introduction to Creative Arts Therapies may not enrol in this unit for credit.

**Introduction to Criminology (CRM100)**

Credit Points: 3

MURDOCH: S1-internal

This unit provides an overview and introduction to the study of criminology from a multi-disciplinary perspective. Students will examine the history of punishment and critically examine our current solutions to crime in light of theories of criminal behaviour. The unit explores the topic of crime and minority groups as well as the impact on victims. Students will be provided with a broad introduction designed to provide them with the academic skills necessary to succeed in their future criminology studies.

Lectures: 1 hour per week; tutorials: 1 hour per week.

Prerequisites: Nil.

**Introduction to Cultural and Community Psychology (PSY101)**

Credit Points: 3

MURDOCH: S1-internal

This unit demonstrates how psychological processes and human behaviour are influenced by culture, and how culture is influenced by individuals and groups. It examines the impact of alienation on specified people, groups and the wider community. The principles of Community Psychology will be used to focus on these issues and demonstrate actions that improve the well-being of community groups and society. The unit introduces students to social psychological principles around group norms, stereotyping, and interactions within and between groups.

Lectures: 1 x 2 hours per week; tutorials: 5 x 2 hours per teaching period.

Prerequisites: Nil.

Exclusions: Students who have successfully completed PSY246 Psychology: Culture and Community, or PSY145 Introduction to Psychology and Culture, or PSY201 Community Psychology may not enrol in this unit for credit.

**Introduction to Data Communications (ICT103)**

Credit Points: 3

DUBAI-ISC: TJD-internal, TSD-internal

This unit aims to provide an understanding of the basic principles of data communications, the technological infrastructure underlying networks and their role in information technology. The networking architectures of TCP/IP and OSI are studied as an introduction to the theory of networking. Extensive practical exercises using internetworking devices such as switches and routers, provide the student with LAN design and implementation skills. This unit, in conjunction with Principles of Data Communications, delivers the Cisco CCNA Certification curriculum.

Lectures: 2 hours per week; tutorials: 2 hours per week (1 hour unsupervised).

Prerequisites: Nil.

Exclusions: ICT169 Foundations of Data Communications.

**Introduction to Digital Media Skills (IDD129)**

Credit Points: 3

MURDOCH: S1-internal

This unit introduces fundamental digital media production concepts and processes, providing students with basic skills in designing, capturing, editing and publishing a range of media for the web. It also explores the theoretical consequences of digital production processes providing students with an understanding of the methods and issues of digital communication, including distribution and content management.

Lectures: 1 hour per week; laboratories: 2 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed MUL101/MCC129 Introduction to Digital Media or MCC129 Introduction to Digital Design may not enrol in this unit for credit.

**Introduction to Earth Sciences (CHE130)**

Credit Points: 3

Not available this year

This introductory unit in Earth Science begins by taking a global view of Earth, looking at its origin and dynamic nature. The focus shifts then to processes that operate on or within the crust of the Earth, including earthquakes, volcanism and magmatic processes, weathering and soils, sedimentary processes, deformation and erosion. Mineral and rock identification are included in laboratory sessions. All this is set in the context of plate tectonics -- the unifying theme of modern geology.

Lectures/tutorials: 3 hours per week; laboratories/workshops: up to 3 hours per week.

External: Unit Information and Learning Guide and laboratory kit are provided.

Prerequisites: No prior knowledge of geology is required. Knowledge of physical sciences at senior high school level is assumed.

Exclusions: Students who have successfully completed EXM130 Introduction to Earth Sciences may not enrol in this unit for credit.

**Introduction to Economics (BUS161)**

Credit Points: 3

DUBAI-ISC: TMD-internal

Economics is a study of how societies can best use and distribute the world's scarce resources to meet human needs and wants. This unit provides a valuable foundation of how economies operate, how businesses and individuals use economics in their decision making, and why governments implement certain economic policies. These include policies on unemployment, inflation, the environment, interest rates and the welfare of society. The unit also covers international issues including poverty, foreign debt, free trade and the global economy.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Summer teaching period: 36 hours to be taught intensively over 4 weeks. For more information contact the Unit Coordinator.

Prerequisites: Nil.

Exclusions: Students who have completed BUS171 Foundations of Economics may not enrol in this units for credit

**Introduction to Energy Studies (PEN190)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

An introduction to the field of energy studies. Investigate and debate how we currently produce and use energy in our society and some of the economic, technical, social and environmental issues this raises. A different topical energy-related issue is introduced each week, discussing it from different points of view as represented by community, industry and academic leaders who are actively engaged in addressing the issue. Topics include oil depletion, global warming, wind power, sustainable transport and the hydrogen economy.

Lectures/tutorials: 3 hours per week (internal students only).

Prerequisites: Nil.

Exclusions: Students who have successfully completed PEC190 Introduction to Energy Studies may not enrol in this unit for credit.

**Introduction to Environmental Biology (BIO103)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit introduces the theoretical and practical framework underpinning studies of natural ecosystems. Topics of classifying biodiversity, interactions within the biosphere and human impacts are explored using the unifying themes of the scientific method, the cell theory and evolution. Detailed examples include the near shore marine environment, the freshwater environment and the arid terrestrial environment. Australian case studies illustrate basic principles. Practical work reinforces the environmental theme while building skills in observation, quantification, experimental design and interpreting data.

Lectures: 3 hours per week; laboratories/field work: up to 3 hours per week. (External students undertake take-home exercises in lieu of attendance for laboratories/field work).

Prerequisites: Nil.

Exclusions: Students who have successfully completed BIO103 Environmental Biology cannot enrol for credit in this unit.



**Introduction to Forensic Science (CHE103)**

Credit Points: 3

MURDOCH: S1-internal

This unit provides a broad introduction to forensic science and emphasises the multidisciplinary nature of forensics. The scientific disciplines that may be applied to solving crime are introduced and explored using case studies and examples. Forensic science professionals present guest lectures to provide students with a 'real world' perspective. The unit material is presented in lectures/workshops and weekly reading. Participation in online discussion groups is utilised to provide students with opportunities for active and cooperative learning.

Lectures: 1 x 1 hour per week; workshops: 1 x 2 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed PEC235 Forensic Science or PEC435 Introduction to Forensic Science or PEC103 Introduction to Forensic Science may not enrol in this unit for credit.

**Introduction to Games Art and Design (GAD154)**

Credit Points: 3

MURDOCH: S2-internal

This unit introduces fundamental games art and design production concepts and processes, providing students with basic knowledge in concept art, game engine evaluation, game play, storyboarding and basic workflow standards. Students are also introduced to games as a wider cultural and philosophical phenomena.

Online lecture; media laboratories: 3 hours per week

Prerequisites: Nil.

Exclusions: Students who have successfully completed MCC154 Introduction to Games Art and Design may not enrol in this unit for credit.

**Introduction to Graphic Design (IDD118)**

Credit Points: 3

MURDOCH: S2-internal

This unit explores visual communication as it relates to the processes, techniques, and creative possibilities of digital design production. Throughout the unit students develop a thorough and culturally informed understanding of design and new media theory. Students will also develop practical design skills through the rigorous development of numerous digital design projects. The required level of software proficiency is attained by both in-class and external exercises.

Online lecture; media laboratories: 2.5 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed MUL118 Principles of Multimedia or MCC118 Visual Communication or IDD118 Visual Communication may not enrol in this unit for credit.

**Introduction to Health Education (EDN117)**

Credit Points: 3

MURDOCH: S1-internal

This unit introduces students to the health component of the Health and Physical Education learning area. Current health issues and learning needs of students (K-10) are explored with an emphasis on the role that health education plays in promoting lifelong healthy and active living. The concept of the health promoting school will be emphasised along with interactive learning activities for

pre-service teachers to be able to apply the curriculum so that it is relevant, engaging and developmentally appropriate.

Lectures: 1 hour per week, workshops: 2 hours per week.

Prerequisites: Nil.

**Introduction to History (HIS181)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

Different societies and different groups within a society construct different histories. By analysing these different histories, students are introduced to the historian's craft and to the nature of historical knowledge. Topics include: Ned Kelly; Jandamarra; the Crusades; the Salem Witchcraft Trials; the dropping of the atomic bombs on Japan; the Holocaust as history.

Lectures: 1 hour per week; tutorials: 1 hour per week.

Prerequisites: Nil.

**Introduction to Human Anatomy (CHI108)**

Credit Points: 3

MURDOCH: S2-internal (quota of 225 places)

This unit is designed to build on the foundation of human anatomy which was introduced in BMS101 and will utilise the terminology set out in CHI108. The content of this unit will provide a deeper understanding of anatomical structures and their function. The students will utilise lectures, assignments and practicals to gain an understanding of all 11 body systems. Practical consist of surface anatomy classes and prosection laboratory, which will expose students to models and the viewing of human cadavers.

Lectures: 2 hours; workshops: 1 hour; laboratories: 3 hours.

Prerequisites: BMS101 Introduction to the Human Body

Exclusions: Students who have successfully completed BMS108 Comparative Musculoskeletal Anatomy or CHI108 Functional Human Anatomy may not enrol in this unit for credit.

This unit is subject to quota. Quota is due to limited laboratory space. Preference will be given to students in Chiropractic, Exercise Physiology and Sports Science.

**Introduction to ICT Research Methods (BSC203)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit provides an introduction to research in the information and communications technology (ICT) discipline. It explores the kinds of research questions addressed in ICT research, and provides an opportunity for students to understand the broad range of research approaches used in ICT research including: design research, experimental research, survey research, action research and case study research. Students will develop both research and project management skills and gain the knowledge and skills needed to critically evaluate the ICT research literature.

Lectures: 1 hour per week; tutorials: 1 x 2 hours per week.

Prerequisites: BSC100 Building Blocks for Science Students and enrolment in one of the Information Technology majors: Computer Science, Business Information Systems, Cyber Forensics and Information Security, Games Software Design and Production, Games Technology, Internetworking and Network Security or Mobile and Web Application Development.

Exclusions: Students who have successfully completed BSC201 Psychology: Measurement, Design and Analysis, BSC206 Introduction to Research Methodology and Evidence Based Practice, or BSC200 Research in the Physical and Life Sciences may

not enrol in this unit for credit.

### **Introduction to Indigenous Popular Culture (AIS110)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

Many people readily associate Indigenous culture with dot paintings and traditional dance. While acknowledging the importance of more traditional forms of cultural expression, this unit familiarises students with a broader range of contemporary Indigenous cultural products. In the process, students gain an appreciation of the highly varied, dynamic and exciting ways in which Indigenous cultures and identities are articulated.

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed the following units may not enrol in this unit for credit: AIS174 Contemporary Indigenous Cultural Expression; AIS302 Black Music; AIS215 Aboriginality in Australian Film and Television; AIS210 Indigenous Popular Culture.

### **Introduction to Information Systems (ICT158)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit provides a broad introductory understanding of information systems, viewed from organisational and societal contexts, and provides students with a balance of technical and organisational perspectives to serve as the basis for further study in the discipline. It introduces business environments and explores how technology is integrated into business, government and community systems. It also provides an introduction to decision making and systems theory, and considers the role of IT professionals in solving organisational problems.

Lectures: 1 x 2 hours per week; computer laboratories: 1 x 2 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed ICT107 Principles of Information Systems may not take this unit for credit.

### **Introduction to Information Technology (ICT105)**

Credit Points: 3

MURDOCH: S1-internal, S1-external  
DUBAI-ISC: TMD-internal

This unit provides an introduction to computer and information technologies. Topics may include computer hardware, software, communications technologies, human-computer interaction, web and mobile applications, information systems, 3D graphics and animation, and the impact of information technology on organisations and society. The theory will be complemented by practical work in productivity software, web development, mobile app development, and 3D modelling and animation.

Lectures: 2 hours per week; laboratories: 1 hour per week (supervised) and 1 hour per week (unsupervised).

Prerequisites: Nil.

### **Introduction to Internet and Mobile Technologies (ICT108)**

Credit Points: 3

DUBAI-ISC: TMD-internal

Introduces the fundamentals of the Internet, interactive web applications, mobile applications and the basics of digital content development for Internet and mobile applications. Tools and techniques used for developing Internet and mobile applications are introduced. Topics include: overview of Internet and mobile technology; overview of digital content; HTML and XHTML; CSS; web authoring tools; interactive web application; Javascript; mobile application development; and tools for cross-platform mobile development.

Lectures: 2 hours per week; tutorials: 2 hours per week (1 hour unsupervised).

Prerequisites: Nil.

### **Introduction to Journalism (JOU104)**

Credit Points: 3

MURDOCH: S2-internal

This unit discusses the professional role of journalists and introduces students to the skills of news gathering and reporting. Students will also be introduced to a range of issues that have a bearing on the professional practice of journalism, including media law, ethics and the culture of news.

Lectures: 1 hour per week; tutorials 1.5 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed MCC104 Introduction to Journalism may not enrol in this unit for credit.

### **Introduction to Journalism (MCC104)**

Credit Points: 3

DUBAI-ISC: TJD-internal, TSD-internal

This unit discusses the professional role of journalists and introduces students to the skills of news gathering and reporting. Students will also be introduced to a range of issues that have a bearing on the professional practice of journalism, including media law, ethics and the culture of news.

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

### **Introduction to Legal Studies (LEG150)**

Credit Points: 3

Not available this year

This interdisciplinary unit focuses on socio-cultural influences on law. Examining the range of legal institutions in Australia, including courts, legislative bodies, civil services and the legal profession, attention will be given to international law and human rights. Topics include: factors affecting laws; law classifications; development of Australian legal system's 'common law' characteristics; case-law and the doctrine of precedent; nature, operation and interpretation of statutes; alternative dispute resolution; legal practice and ethics; introduction to human rights; inclusion and exclusion in law.

Lectures: 2 hours per week; tutorials/workshops: 1 hour per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed LEG150 Australian Legal System or BJU100/LAW150 Australian Legal System may not enrol in this unit for credit.

**Introduction to Livestock Science (ANS101)**

Credit Points: 3

MURDOCH: S2-internal (quota of 150 places), UA6-internal (quota of 40 places)

This unit provides an introduction to the theory and practice of animal production systems. Animal production will be explored through an introduction to soils and soil structure, plant and pasture science and a broad coverage of livestock farming systems. Practical classes will utilise the university farm to enhance the understanding of each topic studied, including practical skills in the safe handling of sheep, cattle, horses and pigs using low-stress handling methods where possible.

Lectures: 3 hours per week; practicals: 3 hours per week; workshops: 1.5 hours per week (WA Farm Safety Workshop). For SUMMER-AUT UA6 offering: Lectures: 29 online, 3 in-person; practicals: 20 hours over 5 days; WA Farm Safety Workshop: run over 3 days.

One 1.5 hour workshop per week as part of Farm Safety.

Prerequisites: Enrolment in Bachelor of Animal Science, Animal Science major or Veterinary Biology major.

Exclusions: Students who have successfully completed ANS101 Animal Production Systems I or VET242 Animal Systems I cannot enrol for credit in this unit.

This unit is subject to quota. Quota is due to limited resources. S2 offering: preference is given to students enrolled in B1330 Veterinary Science or B1317 Animal Science (BSc). UA6 offering: only be available to those students accepted into the 2nd year of B1330 Veterinary Science.

**Introduction to Marine Biology (BIO180)**

Credit Points: 3

MURDOCH: S1-internal

This unit provides an introduction to marine organisms and ecosystems and thus a framework for further study of marine biology. Students will develop specialist knowledge in marine biology and skills in the identification of marine organisms and the conduct of marine research. The main topics covered are: (i) the marine environment; (ii) the types and variety of marine organisms; and (iii) major ecological categories of marine organisms.

Lectures: 2 hours per week; laboratories: 3 x 3-hour sessions over the semester; workshops: 4 x 2-hour sessions; field work: 2 x 3-hour sessions

Prerequisites: Nil.

**Introduction to Media Studies (CMS101)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit introduces students to foundational concepts and theories relevant to the study of media. Media is understood as a global discourse that is traditional and contemporary, incorporating historical and new perspectives. We explore the role media plays in shaping institutions, identities and legal and ethical positions. Students will have opportunities to think critically about these issues via mixed modes of assessment.

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed MCC108 Introduction to Communication and Media may not enrol in this unit.

**Introduction to Nursing Practice (NUR100)**

Credit Points: 3

PEEL: S1N-internal

For the professional and safe provision of nursing care, a solid foundation of knowledge, attitudes and skills must be achieved. This unit will explore the concepts of patient/client centred care and social determinants of health and wellness. The nursing process will be introduced and the nursing care plan examined. Using major physical and psychological milestones of the older adult, students will learn foundation competencies required for safe nursing practice and holistic nursing care.

Lectures: 1 hour per week; laboratories: 2 hours per week.

Prerequisites: Enrolment in Bachelor of Nursing.

**Introduction to Philosophy (PHL130)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit is designed to appeal to everyone who is interested in fundamental questions about life and society, and who wants to increase their ability to understand, develop, and articulate reasoned arguments. Typical questions: 'What is the mind? Is there a God? Do we have free will? Do animals have rights? What moral obligations do we have to people who are starving? Is reason more important than emotion? What is the ultimate nature of reality? Do our lives have meaning?

Lectures/tutorials: up to 2.5 hours per week.

Prerequisites: Nil.

This unit will be offered on alternate years.

**Introduction to Politics (POL133)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

POL133 introduces three focal points of the discipline of political science: concepts, theories and practices. The unit has two objectives: to provide students with an overview of the discipline, and to equip them with the conceptual and theoretical tools to begin analysing contemporary political problems. Students will gain a deeper understanding of how politics works through understanding: important concepts for the study of politics, the most important political theories for modern societies, and the practices involved in delivering government.

Lectures: 1 hour per week; tutorials: 1 hour per week

Prerequisites: Nil.

**Introduction to Psychological Health and Wellbeing (PSY172)**

Credit Points: 3

MURDOCH: S2-internal

Psychology has an important role in designing systems that make people happy, healthy and productive. This unit will critically examine the concepts of 'health', 'wellbeing' and 'happiness', and will demonstrate how to add quality to people's lives, through research-guided practice and the application of behaviour change principles. Topic areas include: coping with and overcoming psychological pain and stress, addictions and disabilities; in addition to promoting healthier and environmentally sustainable behaviour in the community.

Lectures/tutorials/laboratories/seminars: 3 hours per week.

Prerequisites: Nil.

This unit is a core unit in the Bachelor of Science in Cognitive Neuroscience and Health Psychology, and a recommended elective for the Bachelor of Arts in Social and Developmental Psychology.

### **Introduction to Psychological Research Methods (PSY173)**

Credit Points: 3

MURDOCH: S2-internal

KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

This unit introduces students to methods of research used to answer psychological questions. Students will explore basic approaches to research design and analysis, and issues that affect decision-making in research. The aims in this unit are to provide a foundation for understanding the process of psychological inquiry and to provide students with the knowledge and skills needed to critically evaluate studies in the psychological literature.

Lectures/tutorials/laboratories/seminars: 3 hours per week.

Prerequisites: Nil.

### **Introduction to Psychological Science (PSY141)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal

KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

The psychological sciences seek to explore and understand the realms of human behaviour, emotion and thought using scientific methods that allow us to pose and answer questions about ourselves and our societies. Do IQ tests really measure intelligence? Why can I see colours? What causes schizophrenia? Why are some people intolerant of others? These and many other questions are addressed in modern scientific psychology. This unit provides an introduction to the discipline of psychology for students from any discipline.

Lectures/tutorials/seminars: 3 hours per week.

Prerequisites: Nil.

### **Introduction to Public Relations (MCC107)**

Credit Points: 3

DUBAI-ISC: TJD-internal, TSD-internal

This unit introduces students to the practice and theory of public relations, including its history in Australia, and internationally, and the development of communication strategies and tactics for publics. It allows students to begin to develop an understanding of ethical issues, professional values, campaign planning and writing techniques in the field of public relations as a global communications management profession. The unit also allows students to develop professional writing and presentation skills whilst working in a real-life client setting.

Lectures/tutorials: 2.5 hours per week.

Prerequisites: Nil.

### **Introduction to Public Relations (PRO107)**

*As for MCC107 except:*

Credit Points: 3

MURDOCH: S1-internal

Exclusions: Students who have successfully completed MCC107 Introduction to Public Relations cannot enrol for credit in this unit.

### **Introduction to Radio (RAD105)**

Credit Points: 3

MURDOCH: S2-internal (quota of 80 places)

This is a practical production unit covering the basic skills required to produce radio programs. Students learn about the development and role of radio in Australia, and acquire proficiency in location recording, digital editing, interviewing, feature reporting and studio presentation.

Lectures: 1 hour per week; workshops: 1.5 hours per week

Prerequisites: Nil.

Exclusions: Students who have successfully completed MCC105 Introduction to Radio and Sound Production may not enrol in this unit for credit.

This unit is subject to quota. Quota is due to space and equipment constraints and the supervision demands of a production environment. Preference will be given to students in BA (Sound) or BA (Radio).

### **Introduction to Radio and Sound Production (MCC105)**

Credit Points: 3

DUBAI-ISC: TJD-internal, TSD-internal

This is a practical production unit covering the basic skills required to produce radio programs. Students learn about the development and role of radio in Australia, and acquire proficiency in location recording, digital editing, interviewing, feature reporting and studio presentation.

Lectures: 1 hour per week; tutorials: 2 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed MED117 Introduction to Radio (or MED117 Introduction to Radio and Print Production) or MCC105 Introduction to Radio and Sound Production may not enrol in this unit for credit.

### **Introduction to Research for Educators (EDU603)**

Credit Points: 4

DUBAI-ISC: TJD-internal, TSD-internal

This unit introduces participants to a range of research methodologies used in educational and social science research. The unit will examine the application of different interpretive frameworks and their implications for research design, data collection and analysis. Participants will develop critical research literacies by both reviewing and planning research.

3 hours per week.

Prerequisites: Enrolment in a graduate-level qualification or permission of the Unit Coordinator.

Exclusions: Students who have successfully completed EDU434/634 Introduction to Qualitative Research Methods or EDU438/638 Introduction to Quantitative Research Methods or E501 Qualitative Research Methods may not enrol in this unit for credit.

### **Introduction to Research for Educators (EDU610)**

*As for EDU603 except:*

Credit Points: 6

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Lectures/seminars: 1 x 3 hours per week.

**Introduction to Research for Teachers (EDN616)**

Credit Points: 3

Not available this year

Introduces Master of Teaching students to research. Key knowledge, skills and applications include: Reading scholarly literature and analysing published research pertaining to teaching; searching library databases and identifying relevant literature to a research topic; critically analysing arguments from literature that relates to a research question/topic; identifying appropriate methodological approaches for different research purposes; reflecting on the role of research in education and teaching. This unit also develops university graduate attributes.

Lectures/seminars: 6 x 2 hour on-campus sessions during teaching period.

Prerequisites: Enrolment in the Master of Teaching (Primary) and successful completion of all 500 level units; successful completion of EDN611 Professional Internship A: Differentiation within Diverse Contexts, EDN612 Understanding Diversity and Inclusion in Educational Settings, EDN613 The Integrated Curriculum in Primary Schools (HASS/HPE/Arts), EDN614 Science in the Primary Schools Curriculum, and co-enrolment in EDN615 Professional Internship B: Research in Practice and EDN617 Case Study Research Project

**Introduction to Research Methodology and Evidence Based Practice (BSC206)**

Credit Points: 3

MURDOCH: S2-internal

This unit is designed with the assumption that scientific inquiry should form the basis of patient care. The primary goal for this unit is to introduce students to the scientific method for clinical decision making in healthcare. Students will develop proficiencies in information retrieval, research design, data analysis and critical appraisal. These skills will initiate the process of lifelong learning required to provide high quality patient care in their respective professions.

Live lectures: 1 hour per week; tutorials: 2 hours per week.

Online Assessment/Learning Activity: 2 hours per fortnight; Online Lecture: 1 hour per week.

Prerequisites: 100-level Transition Unit and enrolment in one of Chiropractic Science, Exercise Physiology, Movement Science, or Sport and Health Science.

Exclusions: Student who have successfully completed CHI106/EXS106 Introduction to Research Methodology and Evidence Based Practice, BSC201 Psychology: Measurement, Design and Analysis, BSC203 Introduction to ICT Research Methods, or BSC200 Research in the Physical and Life Sciences may not enrol in this unit for credit.

**Introduction to Server Environments and Architectures (ICT171)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

We live in an increasingly online and connected world. Beyond our desktop computers, tablets and smart phones exist the servers, software and back-end infrastructure that store our files, send our email, deliver the World Wide Web and implement social networking. Students will implement Windows and Linux servers in 'bare-metal', virtual and cloud environments. Issues examined are associated with large scale computing resources, storage, backup, disaster recovery, management, costs, legislation and whether to deliver in-house or to outsource.

Lectures: video lectures; computer laboratories: 1 x 2 hours per

week.

Prerequisites: Nil.

**Introduction to Social Media (PRO101)**

Credit Points: 3

MURDOCH: S2-internal

This unit introduces social media and their application in communication management, web communications and public relations. Students learn about social media and websites as platforms for engaging users and their role in media relations and other communication activity. Students develop skills in online writing for a variety of audiences and in campaign planning, incorporating social media such as, for example, Twitter, Pinterest and Instagram. Students also learn about the theoretical implications of the network society and online communications.

Lectures: 1 hour; tutorials: 1.5 hours.

Prerequisites: Nil.

**Introduction to Sociology (SOC134)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit aims to introduce students to the richness of sociology by stimulating their curiosity about the relationship between the individual, society and the globe using sociological thinking. This unit will introduce students to the history of sociology and some of the thinkers who have influenced the discipline. It will encourage students to recognise the relevance of sociology to everyday questions about contemporary issues in the social world.

Workshops: 1.5 hours per week.

Prerequisites: Nil.

**Introduction to Sound Studies (SOU169)**

Credit Points: 3

MURDOCH: S1-internal

We are immersed in sound everywhere we go - phones, barking dogs, car alarms, church bells, football crowds, concerts, birds, music, building sites, traffic. The city and the bush, natural, mechanical and electronic, personal and public. What impact does sound have on our lives? How has technology changed the types of sound we hear and how we use sound in our lives? This unit examines sound in our culture, how it has changed and how it could change in the future.

Lectures: 1 hour; tutorials/workshops: 1.5 hours.

During one of the tutorials students partake in a simple sound recording workshop.

Prerequisites: Nil.

Exclusions: Students who have successfully completed MCC169 Introduction to Sound Studies may not enrol in this unit for credit.

**Introduction to Sports Science (EXS124)**

Credit Points: 3

MURDOCH: S1-internal

This unit has 2 main components: health and physical fitness assessment; sports medicine. Topics covered include: definition and components of sports science and physical fitness; pre-activity screening; resting and exercise vitals; body compositions; muscular fitness; medical terminology; neurological screening; joint assessment; preventing sports injuries; sports nutrition; drugs in sport; principles of injury management; common sporting illnesses

and injuries; common medical conditions affecting athletes; moving injured athletes; sports taping.

Lectures: 2 hours; laboratories: 2 hours.

Prerequisites: Nil.

Exclusions: Students who have successfully completed CHI109 Chiropractic Skills and Principles I or CHI124 Principles of Sports Science may not enrol in this unit for credit.

### Introduction to Statistics (MAS180)

Credit Points: 3

MURDOCH: S1-external, S2-external  
DUBAI-ISC: TMD-internal

This unit provides an introduction to statistical techniques used to collect, summarise, interpret and present numerical information, with particular emphasis on applications from commerce, economics and the social sciences. The unit aims to show students how statistics contributes to their chosen area of study. Topics: display, estimation and testing, including one- and two-sample tests, frequency tables, and regression. Students are introduced to the use of a spreadsheet package for the analysis of data.

Lectures/tutorials/computer laboratories: 4 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed MAS183 Statistical Data Analysis may not enrol in this unit.

### Introduction to Sustainable Development (SUS100)

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit examines the evolution of sustainability over the past 40 years. In addition, the unit looks at the wide range of approaches to sustainability today including: environmental scepticism; mainstream market based and technocratic approaches; and community based approaches. The unit will also reflect on what are the most effective responses to the sustainability challenge including global intergovernmental responses, the role of business, and more sustainable personal practices.

Lectures: 1 hour per week; tutorials/workshops: 2 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed STP108 Introduction to Sustainable Development and STP109 Approaches to Sustainable Development may not enrol in this unit for credit.

### Introduction to the Animal Body (ANS102)

Credit Points: 3

MURDOCH: S1-internal

This unit provides an introduction to the theory and practice of animal biology. It begins with a functional study of each of the major body systems, with reference to the life cycle from conception to death. Following this, the principles of evolution and biological diversity are explored, with emphasis on the gross morphology and functional biology of higher vertebrates. Practical classes complement the lectures and emphasise the importance of detailed observation and dissection in biology.

Lectures: 3 hours per week; laboratories: 3 hours per week.

Prerequisites: Nil.

Exclusions: Students who enrol in or have completed this unit may not enrol in BMS101 Introduction to the Human Body for credit.

### Introduction to the Bible (REL204)

Credit Points: 3

Not available this year

Many aspects of Western Culture, including Law, Political structures, Literature, and Music, have been based on and influenced by biblical texts. An understanding of these texts is fundamental to the understanding of the history and development of Western Culture and its religious institutions and practices. This unit examines the various types of texts contained in the Bible and provides historical and literary approaches to facilitate the interpretation of these foundational texts.

Lectures: 1 hour; tutorials: 1 hour.

Prerequisites: Nil.

### Introduction to the Chinese Legal System (LLM517)

Credit Points: 3

CHN1: S1D-internal

This unit provides an introduction to the modern legal system of the People's Republic of China. The unit gives an overview of the changing nature and role of law in an emerging modern economy that will soon become the next global economic power. The unit examines the extent to which the PRC's legal system is trying to cope with various challenges in the progress of modernisation.

Lectures: Taught intensively over 36 hours with final assessments due by end of semester 1.

Prerequisites: Enrolment in the Graduate Certificate in Chinese Law.

Enrolment in this program is by application to the program Director. Students enrolling in the program are responsible for their own airfares, accommodation and incidental expenses. Contact the School of Law for further information.

### Introduction to the European Union and International Labour Market Law (LAW383)

Credit Points: 4

Not available this year

This unit explores the development of international and European labour and employment law. It examines how the 'European social model', as opposed to the Anglo-Saxon model, mirrors the international model and has generated European union wide standards. The unit focuses on the International Labour Organization and on the European Union. It offers both a general introduction and more advanced exploration of topical issues such as migration, discrimination, worker participation, and the conflicts between free market and labour protection laws.

Taught intensively over 1 week

Prerequisites: LEG120 (prior to 2012)/LAW120 Research and Writing, LEG150 (prior to 2011)/LAW150 Australian Legal System, LAW152 Torts, LAW130 Criminal Law and Procedure, LAW260 Contract.

### Introduction to the European Union and International Labour Market Law (LLB383)

**As for LAW383 except:**

Credit Points: 3

Not available this year

Prerequisites: LEG120 (prior to 2012)/LAW120 Research and Writing, LEG150 (prior to 2011)/LAW150 Australian Legal System, LAW152 Torts, LAW130 Criminal Law and Procedure, LAW260 Contract.

Exclusions: Students who have completed LAW383 Introduction to the European Union and International Labour Market Law may not enrol in this unit for credit.

### **Introduction to the Human Body (BMS101)**

Credit Points: 3

MURDOCH: S1-internal

This unit is designed to introduce students to the living human body. It begins with learning about the different cells and tissue types found in the body and then proceeds to the functional and gross anatomy of each of the major body systems. This unit will also deal with concepts of disease, ageing and death. Practical classes complement and reinforced lectures, and emphasise the importance of detailed observation and dissection in biology.

Lectures: 3 hours per week; laboratories: 3 hours per week.

Prerequisites: Nil.

Exclusions: Students who enrol in or have completed this unit may not enrol in ANS102 Introduction to the Animal Body for credit.

### **Introduction to the Minerals Industry (ENG193)**

Credit Points: 3

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

The Earth's origin and dynamic nature are covered within the context of plate tectonics, mineral deposits and ores found within its crust. The interplay of the economics of the mineral resource sector and the energy and industrial emissions involved in recovery and processing are explored. Major unit operations of mineral processing, pyrometallurgical and hydrometallurgical flowsheets, financial management, occupational health and safety, sustainability and environmental aspects in the local/global mineral industry are discussed.

Lectures: 3 hours per week.

Prerequisites: Nil. Knowledge of physical sciences at senior high school level is assumed.

Exclusions: Students who have successfully completed EXM131 Introduction to Extractive Metallurgy may not enrol in this unit for credit.

### **Introduction to the New Testament (THE507)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

An introduction to the events and literature of earliest Christianity. We begin by asking 'Who was Jesus of Nazareth? Why are there four 'gospels' in the New Testament - and more elsewhere? Who were Jesus' first followers, and what do their writings reveal about the beliefs and practices of this new movement? By examining the New Testament in light of its original cultural context, this unit enables a fresh encounter with a book that has proven enormously influential in world history.

Lectures: 2 hours per week.

Prerequisites: Enrolment in graduate-level study.

### **Introduction to the Old Testament (THE506)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit provides an introduction to the varied literature of the Old Testament, written over the course of hundreds of years and reflecting a diversity of situations and experiences. As well as an overview of the contents and themes of the literature, it will explore

aspects of its historical and cultural setting within the Ancient Near East. Throughout the unit students will be introduced to methods and issues in modern study of the Old Testament, and to available resources.

Three day-long intensives of six hours, plus six hours of online contact (discussions/tutorials/lectures). Please check the timetable for the scheduling of the intensives.

Prerequisites: Enrolment in graduate-level study.

### **Introduction to the Screen (MCC116)**

Credit Points: 3

DUBAI-ISC: TJD-internal, TSD-internal

An introductory unit which lays the groundwork for further analytical and practical units. Its objectives are: to familiarise students with the different ways in which screen texts are studied; to introduce students to concepts of narrative, style and genre in filmic texts; and to introduce students to the basic terminology of visual language.

Lectures: 1 hour per week; tutorials: 1.5 hours per week; film screenings: 2 hours per week.

Note: Lectures and workshops/tutorials commence in Week 1 of the semester.

Prerequisites: Nil.

Exclusions: Students who have successfully completed MED116 Introduction to Screen and Sound Studies or MCC116 Introduction to Screen and Sound Studies may not enrol in this unit for credit.

### **Introduction to the Screen (SCR100)**

*As for MCC116 except:*

Credit Points: 3

MURDOCH: S2-internal, S2-external

Exclusions: Students who have successfully completed MCC116 Introduction to the Screen may not enrol in this unit for credit.

### **Introduction to Tourism Systems (TOU101)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit outlines the tourism industry with a focus on the structure of tourism systems and the multiplicity of sectors and industries within those systems. Students are introduced to models of tourism, the global dimensions of tourism and regional tourism developments. The unit also provides an introduction to tourism for sustainable development through discussions of the economics of tourism and sociocultural and environmental issues. Tourism policy and planning is also an important topic.

Lectures/tutorials: up to 3 hours per week.

Prerequisites: Nil.

### **Introduction to University Learning (TLC120)**

Credit Points: 3

MURDOCH: S1-internal, S1-external, S2K-internal, S2K-external, SUM3-external

The unit focuses on the nature of university culture and expectations of you as a university student. It also examines the nature of knowledge, and assists you to understand yourself as a learner. Academic writing, reading, note-making, referencing, critical thinking, time management and discussion skills are developed over the unit. TLC120 is based broadly in the social sciences and humanities. This unit is offered intensively in Summer term.

Seminars: 2 x 2 hours per week.

Tutorials will integrate the development of key academic skills through instruction, practice, discussion and reflection. Students will have time in tutorials to share their ideas, review each others work, and reflect on their learning. A blended learning environment will allow students to continue to interact across study modes, as well as to review learning activities both collaboratively and independently.

Prerequisites: Nil.

Students for whom English is an additional language (EAL) should enrol in TLC121 Writing Academic English.

### **Invasion Biology (University of Adelaide PLANT SC 7022EX) (OTH544)**

Credit Points: 3

This unit considers the ecological theory that applies to biological invasions, including colonisation and propagule pressure, population growth, predator-prey and pathogen host interactions, Allee effects and population viability, the factors that affect the spread of invasive species, the genetics and evolution of founding populations. The biological and ecological factors that influence the impact of invasive species are evaluated. This unit is offered by the University of Adelaide as PLANT SC 7022EX Invasion Biology. Refer to <https://access.adelaide.edu.au/courses/search.asp>

Prerequisites: Enrolment in the Graduate Diploma in Plant Biosecurity or Master of Plant Biosecurity

### **Investment Analysis (BUS311)**

Credit Points: 4

MURDOCH: S1-internal, S1-external  
DUBAI-ISC: TMD-internal  
KAPLAN-SGP: TMA-internal  
SGP1: TMB-internal

The main objective of this unit is to examine the return-risk profile of an individual security and the construction of optimal investment portfolios. The unit will examine the mean-variance portfolio theory, simplification to the portfolio selection process, efficient market hypothesis, capital asset pricing model, and empirical tests of equilibrium models. In addition, arbitrage pricing models, technical analysis and portfolio performance will be examined.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: BUS224 Corporate Finance.

### **Investment Analysis (BUS329)**

*As for BUS311 except:*

Credit Points: 3

Not available this year

Prerequisites: BUS224/ BUS286 Corporate Finance

Exclusions: Students who have completed BUS311 Investment Analysis may not enrol in this unit for credit.

### **Islamic Politics and Development (SWM642)**

Credit Points: 3

MURDOCH: S2-internal

This unit examines the emergence of Islamic political movements from a political economy perspective. It compares the context within which they have developed in different parts of the world, especially South-East Asia and the Middle East and North Africa. It investigates how the agendas, strategies and vehicles of Islamic politics have evolved through the ages of Western colonialism, the Cold War and neoliberal globalisation. It questions various

assumptions about the relationship between Islamic politics, democracy and capitalism.

Seminars and workshops are delivered in intensive teaching mode (24 hours of contact time), which may include evenings and weekends. Students will then complete research assignments independently, in consultation with teaching staff.

Prerequisites: Enrolment in a graduate-level course.

### **Issues and Crisis Management (MCC345)**

Credit Points: 4

MURDOCH: S1-internal  
DUBAI-ISC: TMD-internal  
KAPLAN-SGP: TMA-internal  
SGP1: TMB-internal

This unit explores the theory and practice of issues and crisis management in public relations. It provides some important principles for communicating in a conflict or crisis situation, and offers a critical understanding of stakeholder engagement in both online and offline environments. In addition to learning about conflict, issues and crisis management from a critical communication perspective, students have the opportunity to develop negotiation, mediation and conflict resolution skills and apply them through workshops and role play.

Lectures: 1 hour per week; workshops: 2 hours per week.

Prerequisites: MCC204 Public Relations: Contemporary Approaches (or MCC204 Public Relations: Theory and Writing or MSC235 Public Relations: Principles and Writing Practice).

Exclusions: Students who have successfully completed MSC345 or MCC345 Communication and Conflict Management may not enrol in this unit for credit.

### **Issues and Crisis Management (PRO345)**

*As for MCC345 except:*

Credit Points: 3

Not available this year

### **IT Group Project (ICT621)**

Credit Points: 6

MURDOCH: S1-internal, S2-internal

Students will work in teams to undertake a real-world information technology project, applying skills and knowledge developed in their degree. Teams will analyse project requirements, evaluate and justify design decisions, and produce a substantial artefact. Project management, and communication with clients and other stakeholders will be emphasised. Projects can be initiated from industry needs, University needs, or proposed by the student in consultation with a discipline academic. The project culminates with a public presentation of the project deliverables.

Workshops: 1 x 3 hours per week.

Prerequisites: ICT508 Information Technology Project Management and ICT521 IT Professional Practice, and a minimum of 24 points.

### **IT Professional Practice (ICT521)**

Credit Points: 3

MURDOCH: S1-internal

This unit focuses on current expected professional practice in the information technology (IT) industry, and the legal and ethical challenges raised by new technologies. Topics include: best practice strategies, professional standards and codes of practice; etiquette and modes of communication; professional presentations; technical



writing; legal requirements and responsibilities, including privacy issues; copyright and intellectual property issues; employment; and principles of human resource management.

Lectures/workshops: 1 x 3 hours per week.

Prerequisites: Enrolment in a graduate-level IT course or permission of the Academic Chair.

### Japanese 1 (JPN101)

Credit Points: 3

MURDOCH: S1-internal

This unit introduces basic communication skills in Japanese. Great emphasis is placed on oral communication while working interactively in classroom sessions. The unit deals with many topics related to students' everyday life.

Language classes: 4 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed JPN171 Japanese IA cannot enrol for credit in this unit.

Advanced students including those who have WACE qualification in Japanese as Second Language or equivalent should consult with the Academic Chair of Asian Studies to determine level of entry.

### Japanese 2 (JPN102)

Credit Points: 3

MURDOCH: S2-internal

This unit aims to develop further communication skills in both spoken and written Japanese as a continuation of JPN101 Japanese I. The material covered ranges over a diverse selection of topics with practical application for anyone considering contact with Japan, and uses the communication-oriented oral/aural approach. This unit aims to give students competence in both spoken and written Japanese at the basic level.

Language classes: 3.5 hours per week.

Prerequisites: Completion of JPN101 Japanese 1 or JPN171 Japanese 1A

Advanced students including those who have WACE qualification in Japanese as Second Language or equivalent should consult with the Academic Chair of Asian Studies to determine level of entry.

### Japanese 3 (JPN201)

Credit Points: 3

MURDOCH: S1-internal

This unit aims to develop students' further communication skills in both spoken and written Japanese, and their socio-cultural understanding of Japan, as a continuation of the elementary JPN101 Japanese 1 and JPN102 Japanese 2 units. In the context of various topics relevant to university life as an exchange student in Japan, it introduces the casual register, and builds competence in the use of increasingly complex sentence structures for expressing intention and ability, making explanations and requests, and reporting past experiences.

Lectures: 1 x 1 hour per week; workshops: 2 x 1 hour per week; assessment class: 0.5 - 1 hour every second week.

Prerequisites: JPN102 Japanese 2.

If not JPN102 Japanese 2, an equivalent level of competency as assessed by the Unit Coordinator.

### Japanese 4 (JPN202)

Credit Points: 3

MURDOCH: S1-internal

In parallel with the pre-intermediate JPN201 Japanese 3 unit, this unit aims to enhance students' further communication skills in both spoken and written Japanese, and their socio-cultural understanding of Japan. In the context of various topics relevant to university life in Japan, it builds competence in manipulation of such complex sentence structures as: giving and receiving favours; expressing change, conditions, conjecture and comparison; multiple actions; permission and prohibition; hearsay; and introduces the use of relative clauses.

Lectures: 1 x 1 hour per week; workshops: 1 x 1 hour per week; assessment class: 0.5 - 1 hour every second week.

Prerequisites: Successful completion of JPN172 Japanese 1B or JPN201 Japanese 3, otherwise an equivalent level of competency as assessed by the Unit Coordinator.

### Japanese 5 (JPN203)

Credit Points: 3

MURDOCH: S2-internal

As a continuation of the JPN204 Japanese unit, this unit aims to augment students' intermediate communication skills in both spoken and written Japanese, and to build further socio-cultural competence. In the context of various topics relevant to university life and broader contemporary social issues in Japan, it introduces such complex verb forms as the passive, causative, and imperative; and builds students' ability to express such elements as cause, purpose and conjecture; and how things appear to be.

Lectures: 1 x 1 hours per week; workshops: 2 x 1 hour workshops per week; assessment class: 0.5 - 1 hour every second week.

Prerequisites: Successful completion of JPN202 Japanese 4 or JPN204 Japanese IIA.

If not JPN202 or JPN204, an equivalent level of competency as assessed by the Unit Coordinator.

### Japanese 6 (JPN301)

Credit Points: 3

Not available this year

### Japanese 7 (JPN302)

Credit Points: 3

Not available this year

### Japanese 8 (JPN303)

Credit Points: 3

Not available this year

### Japanese Advanced Language Project (JPN652)

Credit Points: 3

Not available this year

This unit is designed primarily for students who have completed a semester in Japan and aims to build on language skills acquired during in-country study. It focuses on advanced reading and/or translation and other skills. Students will study some issues relevant to translation as well as doing practical work in reading, translation and other skills using a range of contemporary materials.

2 to 3 hours per week or by negotiation.

Prerequisites: Enrolment in a graduate-level (AQF level 8 or AQF level 9) Asian Studies course and permission of the Unit Coordinator.

### Japanese IIIA (JPN363)

Credit Points: 4

MURDOCH: S1-internal

This unit aims to develop advanced language skills, both written and spoken, to enable students to function with ease in Japanese. The target level of proficiency is the reading of Japanese newspapers, and ability to present spoken and written expressions of opinion about contemporary Japan.

Language classes: 4 hours per week (hours may be adapted to class size).

Prerequisites: JPN205 Japanese IIB.

Advanced students including those who have WACE qualification in Japanese as Second Language or equivalent should consult with the Academic Chair of Asian Studies to determine level of entry.

### Japanese IIIB (JPN364)

Credit Points: 4

MURDOCH: S2-internal

This unit aims to develop advanced language skills, both written and spoken, to enable students to function with ease in Japanese. The target level of proficiency is the reading of Japanese newspapers, and ability to present spoken and written expressions of opinion about contemporary Japan.

Language classes: 3 to 4 hours per week (hours may be adapted to class size).

Prerequisites: JPN363 Japanese IIIA.

Advanced students including those who have WACE qualification in Japanese as Second Language or equivalent should consult with the Academic Chair of Asian Studies to determine level of entry.

### Japanese Language Project (JPN452)

Credit Points: 4

Not available this year

This unit is designed primarily for students who have completed JPN343 Semester in Japan and aims to build on language skills acquired during in-country study. It focuses on advanced reading and/or translation and other skills. Students will study some issues relevant to translation as well as doing practical work in reading, translation and other skills using a range of contemporary materials.

2 to 3 hours per week or by negotiation.

Prerequisites: JPN443 Semester in Japan. Permission to enrol may also be granted by the Unit Coordinator to background speakers of Japanese and, under certain circumstances, to other students.

### Jesus and the Gospels (THE287)

Credit Points: 4

MURDOCH: S1-external

This unit provides detailed study of the canonical gospels (Matthew, Mark, Luke, John) and their interrelationships, with particular attention to one gospel. Students can develop skills in a variety of exegetical approaches while examining literary, historical, sociological and theological features. There will be opportunity to use New Testament Greek, but ability to read Greek is not essential. Each semester will have a different gospel as the focus, and the unit

may be taken more than once, with different content.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Enrolment in BA (Theology) (B1113), BA (Theology) (Honours) (H1131) or BTheology (B1115). Recommended: S102/THE102 The New Testament and its World.

Exclusions: Students who have successfully completed S247 Synoptic Gospels, S247 Matthew, Mark and Luke, S251 Johannine Literature or S251 John's Gospel and Related Writings may enrol in this unit, if the content is different.

### Knowledge and Information Security (ICT265)

Credit Points: 4

KAPLAN-SGP: TJA-internal

This unit focuses on knowledge and information security from both an operational and a theoretical perspective. It explores the issues involved in ensuring the confidentiality, integrity and availability of knowledge and information assets from the perspective of human physical, computer, telecommunications, and Internet security. Topics include: risks to information and countermeasures; access control; security management; establishing trust; personnel security; security planning; disaster recovery and ensuring continuity; auditing and monitoring; security education, training and awareness strategies; and legal and societal issues.

Lectures: 2 hours per week.

Prerequisites: Nil.

### Knowledge and Organisational Learning (BUS378)

Credit Points: 4

MURDOCH: S1-internal, S1-external  
DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TJA-internal, TSA-internal  
KDUPJ: S1U-internal  
SGP1: TJB-internal, TSB-internal

The management of information and knowledge and its role in organisations are widely recognised as important elements contributing to international competitiveness in the new economy. This unit examines how the concepts of information and knowledge assist in the understanding of organisational processes, organisational learning and strategy. Topics examined include: the origins and future of knowledge management; knowledge management and concepts; knowledge and organisational strategy; knowledge, IT and organisational systems; knowledge and learning in organisations; knowledge, innovation and value creation.

Lectures: 1 hour per week; workshops: 2 hours per week.

Prerequisites: BUS145 Principles of Management or BUS176 Foundations of Management and Governance and BUS223 Organisational Theory and Behaviour or BUS293 Organisational Theory and Governance.

### Knowledge Management (BUS348)

Credit Points: 3

Not available this year

The management of information and knowledge and its role in organisations are widely recognised as important elements contributing to international competitiveness in the new economy. This unit examines how the concepts of information and knowledge assist in the understanding of organisational processes, organisational learning and strategy. Topics examined include: the origins and future of knowledge management; knowledge management and concepts; knowledge and organisational strategy; knowledge, IT and organisational systems; knowledge and learning in organisations; knowledge, innovation and value creation.

Lectures: 1 hour per week; tutorials: 2 hours per week

Prerequisites: BUS145 Principles of Management or BUS176 Foundations of Management and Governance or BUS223 Organisational Theory & Behaviour or BUS293 Organisational Theory & Behaviour

Exclusions: students who have completed BUS378 Knowledge and Organisational Learning may not enrol in this unit for credit

### Knowledge Management (ICT505)

Credit Points: 3

MURDOCH: S1-internal

This unit examines the role of knowledge management in organisations and its principles and practices. It includes a consideration of theories of knowledge and approaches to KM, drawing on a range of perspectives such as management, library science, cognitive science, AI and psychology. Topics include document-centric practices and information management; social approaches including communities of practice; organisational memory and learning organisations; knowledge representation including ontologies; cultural aspects of knowledge, and situating KM practices within an organisational context.

Workshops: 1 x 3 hours per week.

Prerequisites: Enrolment in a graduate-level IT course or permission of the Academic Chair.

Exclusions: Students who have completed ICT556 Knowledge Management Techniques may not enrol in this unit for credit.

### Knowledge Management Techniques (ICT256)

Credit Points: 4

DUBAI-ISC: TMD-internal  
KAPLAN-SGP: TJA-internal  
SGP1: TJB-internal

Knowledge Management involves extending traditional information management practices to enable the entire intellectual resources of an organisation to be available, in a repeatable, scalable and transferable manner. In this unit we consider the techniques that underpin KM. Topics include: theories of knowledge, the nature of documents and document management, knowledge elicitation, knowledge representation techniques including ontologies, knowledge discovery, and knowledge life cycles within an organisational context. The theoretical component is complemented by practical work using standard industry knowledge modelling tools.

Lectures: 2 hours per week; tutorials: 2 hours per week (1 hour unsupervised).

Prerequisites: ICT107 Principles of Information Systems.

### Land and Water Management (ENV554)

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit examines sustainable land and water management with particular reference to Western Australia. It analyses climate, land and water resources, and deals with key threats to sustainable land and water management: climate change, altered water table levels, water contamination and soil degradation. Case studies from dryland and intensive agriculture, coastal and forested catchments will demonstrate key principles. Learning is through lectures, intensive workshops, problem solving practicals and student-delivered posters. Content complements that in environmental restoration, ecology and policy.

Lectures: 2 hours per week; on campus laboratory and field

component: 2 x 6 hour days (during the first non-teaching break); 6 hours of online tutorials to be scheduled using LMS.

Prerequisites: Enrolment in a graduate-level (AQF level 8) course.

Exclusions: Students who have completed ENV310/610 Land Management may not enrol in this unit for credit.

### Language and Literacies in the Early Years (EDN461)

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit aims to prepare students for the teaching of language and literacies in the early years - birth to Year 3. It will build on the understandings, knowledge and skills developed in the English curriculum units and in the Early Childhood units.

Lectures: 1 hour per week; workshops: 2 hours per week

To complete Assignment 1 students will need to locate an early childhood centre to undertake a child case study. To complete Assignment 2 students will need to conduct fieldwork in a school-based early childhood classroom (Kindergarten to Year 1). Details are provided in the Unit Information and Learning Guide which will be available online at the commencement of the semester.

Prerequisites: Enrolment in the Early Childhood 0-8 (BEd), OR the Early Childhood and Primary Teaching (BEd), and successful completion of EDN111 Language for Learning and Teaching, EDN113 Living and Learning with Technology and BED150 Understanding Teachers' Work. .

Exclusions: Students who have successfully completed EDN421 Literacies in the Early Years may not enrol in this unit for credit.

### Language for Learning and Teaching (EDN111)

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit explores concepts about language and literacy learning essential for teachers in all school settings. It aims to equip students with fundamental skills needed to support language development in their own classrooms by focusing on oral language development, the formal characteristics of written texts including grammar, and the use of language for positive classroom interactions and literacy learning. Concepts presented will be further explored in BED150 Understanding Teachers' Work and EDN235 Teaching English and Literacy in Primary Schools.

Lectures/workshops: 3 hours per week.

Prerequisites: Enrolment in an initial teacher education course.

Exclusions: Students who have successfully completed EDU103 Principles of Language and Literacy may not enrol in this unit for credit.

### Large Animal Practice (VET412)

Credit Points: 12

Not available this year

Prerequisites: Nil.

### Law for Business (MBL502)

Credit Points: 3

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

This unit introduces students to legal concepts that they may encounter as managers. Topics include the Australian legal system, legal case study problem solving and the Australian law of contract.

Lectures/seminars/workshops: 3 hours per week

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students who have completed BUS328 Company Law, MBS502 Business and Employment Law or MBS502 Law for Business may not enrol in this unit for credit

Students who have completed an undergraduate degree with a major in business law, should be precluded from this unit.

### Law for Business (MBS502)

Credit Points: 4

DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal  
SGP1: TSR-internal

This unit introduces students to legal concepts that they may encounter as managers. Topics include the Australian legal system, legal case study problem solving and the Australian law of contract.

Lectures/seminars/workshops: 3 hours per week

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students who have successfully completed MBL502 Law for Business may not enrol in this unit for credit.

### Law in China: Continuity and Change (LAW457)

Credit Points: 4

Not available this year

This unit offers, from a unique interdisciplinary and micro-level perspective, intriguing insights into Chinese law's past, present and future by examining its historical and cultural background. It provides holistic images of China so crucial to a good understanding of Chinese law. It also addresses reasons for China's current rapid transition by referring to China's history and the legal and institutional changes long before and after Mao. Topics also include latest debates on constitutional, criminal and commercial law reforms.

Lectures: 3 hours per week.

Prerequisites: Nil.

Exclusions: Students who have enrolled in LAW257 Law in China: Continuity and Change may not enrol in this unit for credit.

### Law in China: Continuity and Change (LLB457)

*As for LAW457 except:*

Credit Points: 3

Not available this year

Prerequisites: Nil.

Exclusions: Students who have enrolled in LAW257/LLB257 Law in China: Continuity and Change may not enrol in this unit for credit.

### Law in Context (BJU150)

Credit Points: 3

MURDOCH: S1-internal

This unit examines the interaction between the law and various other disciplines and social groupings. A range of topical issues will be examined. These may vary from year to year, but typical examples include: Intellectual Property and Popular Culture; Common Law and Aboriginal Law; Law and Medicine; Forensic Evidence; Law and Psychology; Law and Social Welfare.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil.

### Law Moot (LAW312)

Credit Points: 4

MURDOCH: H-internal (quota of 40 places), S1-internal (quota of 40 places), S2-internal (quota of 40 places)

This unit provides students with the opportunity to study specialised areas of law and apply their knowledge and advocacy skills by participating in selected national and international moot competitions, for example, the Philip C. Jessup Public International Law Moot Court Competition and the International Maritime Law and Arbitration Moot. It aims to develop the research, writing and advocacy skills of participating students. Only students who are selected for one of the eligible moot teams will be enrolled in this unit.

Meetings as required.

Students will compete in an external moot competition, which may involve interstate or international travel depending on the competition location.

Prerequisites: LEG120 (prior to 2012)/LAW120 Research and Writing, LEG150 (prior to 2011)/LAW150 Australian Legal System, LAW152 Torts, LAW130 Criminal Law and Procedure, LAW260 Contract, plus permission of Unit Coordinator.

Recommended that students complete or are enrolled in the necessary background unit required for each moot competition. Students may not enrol in more than one moot at the same time except by permission of the Unit Coordinator and Academic Chair for Law.

This unit is subject to quota. Quota is due to limited resources and maximum team eligibility requirements of individual moot competitions. Selection is based on: Academic record and standing; Demonstrated speaking, debating and mooted ability.

### Law Moot (LLB312)

*As for LAW312 except:*

Credit Points: 3

Not available this year

Prerequisites: LEG120 (prior to 2012)/LAW120 Research and Writing, LEG150 (prior to 2011)/LAW150 Australian Legal System, LAW152 Torts, LAW130 Criminal Law and Procedure, LAW260 Contract, plus permission of Unit Coordinator.

Exclusions: Students who have completed LAW312 Law Moot may not enrol in this unit for credit.

This unit is not subject to quota.

### Law of Occupational Health and Safety (LAW372)

Credit Points: 4

Not available this year

Safety is said to be paramount in workplaces of today. This unit centres on managing foreseeable risks and places the primary duty of care on employers. Breach of this duty may constitute a criminal offence and impose liability not just on the employer but extend it to its 'officers'. This unit will examine the current statutory regime, as well as any pending changes to relevant legislation.

This unit is to be taught as a 4 week intensive with contact time in an initial 1 week teaching block.

Prerequisites: All Part I Law units; LAW260 Contract.

The exam for the unit will be held one week after the end of face to face teaching.

**Law of Occupational Health and Safety (LLB372)***As for LAW372 except:*

Credit Points: 3

Not available this year

Prerequisites: All Part I Law units; LAW260 Contract.

Exclusions: Students who have completed LAW372 Law of Occupational Health and Safety may not enrol in this unit for credit.

**Law of Planning (LAW367)**

Credit Points: 4

Not available this year

This unit introduces the legal principles and statutory framework governing the regulation of town planning and land development in WA and beyond. It considers control at the State, regional and local government levels, rights of appeal against subdivision, development and building decisions, the jurisdiction of the State Administrative Tribunal in resolving disputes, the role of environmental assessment and approval in planning outcomes and compensation for the use and acquisition of land for public purposes.

Taught intensively over 1 week: refer to the teaching timetable for details.

Prerequisites: LEG120 (prior to 2012)/LAW120 Research and Writing, LEG150 (prior to 2011)/LAW150 Australian Legal System, LAW152 Torts, LAW130 Criminal Law and Procedure, LAW260 Contract. Non-Law students with a background in Planning may enrol with the permission of the Unit Coordinator and LLB Academic Chair.

**Law of Planning (LLB367)***As for LAW367 except:*

Credit Points: 3

Not available this year

Prerequisites: LEG120 (prior to 2012)/LAW120 Research and Writing, LEG150 (prior to 2011)/LAW150 Australian Legal System, LAW152 Torts, LAW130 Criminal Law and Procedure, LAW260 Contract. Non-Law students with a background in Planning may enrol with the permission of the Unit Coordinator and LLB Academic Chair.

Exclusions: Students who have completed LAW367 Law of Planning may not enrol in this unit for credit.

**Law, Justice and Social Policy (LEG100)**

Credit Points: 3

MURDOCH: S2-internal

The purpose of this unit is to engage students in a critical discussion of our criminal justice system. Beyond basic knowledge acquisition of the Australian Criminal Justice System, students are challenged to think about the meaning of the term 'justice' and how this concept can differ from one individual/group to another. Students are required to think outside of their own perspective and to begin to appreciate the influences that impact on the lives of various citizens.

Lectures: 1.5 hours per week; tutorials: 1.5 hours per week

Prerequisites: Nil.

Exclusions: LLB or Juris Doctor (pre-2014) students may not enrol in this unit for credit.

Students enrolled in the LLB/Criminology combined degree must enrol in this unit for credit towards their Criminology (BA) degree.

**Leadership in Health Care (SHP511)**

Credit Points: 3

MURDOCH: S1-external, S2-external

This unit introduces students to leadership in diverse health care environments. It explores the complexities and challenges of strategic leadership, and examines theoretical and contemporary evidence based practice perspectives within the context of the Australian Health Care System and current research. The relationships between leadership, strategic planning, health workforce development and organisational outcomes are discussed. This unit is suitable for health professionals working in leadership and management roles, and those aspiring to do so.

External: No attendance required

Prerequisites: Enrolment in a Graduate course.

Exclusions: Students who have successfully completed NUR611 Strategic Leadership in Health Care may not enrol in this unit for credit.

**Leading and Managing Nonprofit Organisations (MBS651)**

Credit Points: 3

MURDOCH: SP17-internal, SP17-external

Non-profit organisations operate in areas including welfare, education, community development, health, sport, arts, tourism, politics and the environment. Run by community groups, faith-based organisations, large bureaucracies, entrepreneurs and committed citizens, their contribution to the economy is incalculable, and the variety in their forms and operations vast. This unit will explore leadership and management of non-profit organisations, their context, the theory surrounding their existence and operation, and consider practical aspects such as marketing, financing, governance, and people management.

Thursday classes: 4.30pm - 7.30pm - 5 x 3 hour sessions (15 hours)  
Saturday classes: 9.30am - 4.30pm with breaks - 3 x 6 hour sessions (18 hours).

Total 33 hours

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students who have successfully completed MBS651 Management of Not for Profit Organisations may not enrol in this unit for credit.

**Learning and Assessment Processes (EDN545)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit focuses on learning and assessment processes in education. It addresses major theories of learning, aspects of affective and social development and implications for educational practice. The unit also addresses principles and processes of assessment and evaluation as integral to the teaching-learning process. An overarching emphasis is the connection between theory, research and classroom practice, within the learning, teaching and assessment cycle. This unit provides foundations for understanding the psychological and practical aspects of effective learning environments.

Lectures: 1 hour per week; workshops: 2 hours per week.

Prerequisites: Enrolment in the Graduate Diploma in Education (Primary) or Graduate Diploma in Education (Secondary); successful completion of EDN550 Transition to Teaching OR BED150/EDN112/EDN1121 Understanding Teachers' Work or EDU101/EDU1011 Introduction to Teaching.

Exclusions: Students who have successfully completed EDU241

Processes of Learning OR EDU244 Processes of Assessment or EDN245/EDU242 Learning and Assessment: Theory and Practice OR EDN221 Learning and Teaching OR EDN222 Learning, Teaching and Assessment may not enrol in this unit for credit.

### Learning and Teaching (EDN221)

Credit Points: 3

MURDOCH: S1-internal, S1-external

EDN221 addresses learning processes and teaching for effective learning. Students will explore key theories associated with learning and motivation, as well as learner cognitive, social and emotional development. Students are provided with opportunities to better understand themselves as learners and develop ideas about their intended teaching practice. By understanding how effective learning and teaching is informed by research in educational psychology, this unit enables students to begin developing their own emerging philosophy of teaching and learning and effective classroom practice.

Lectures: 1 hour per week; workshops: 2 hours per week

Prerequisites: Successful completion of BED100 Ideas in Education, and BED150/EDN112/EDN1121 Understanding Teachers' Work, and EDN111 Language for Learning and Teaching

Exclusions: Students who have successfully completed EDU242 Learning and Assessment: Theory and Practice or EDU245 Learning and Assessment Processes may not enrol in this unit for credit.

### Learning and Teaching in Educational Communities (EDN300)

Credit Points: 4

MURDOCH: ST1-placement, ST2-placement, ST3-placement, ST4-placement

Students have the opportunity to experience a learning environment within a school/community or an overseas educational institution. Students will provide a service to the learning community while at the same time being mentored by a teacher or site-based educator. Students undertake a project related to the particular environment in which they are placed whether it be a school or community organisation. The project will be developed in conjunction with the mentor teacher and/or supervisor and the University.

Meetings prior to the placement and other meetings will be negotiated with the School of Education and community education provider. The placement time is negotiated, but will be a minimum of 15 days or its equivalent.

Prerequisites: Permission from the Unit Coordinator.

It is compulsory for all students (Internal, Interstate, Country or Overseas) to have a WA Department of Education National Police History Check AND a Working With Children Clearance from the Department of Community Development (DCD) if they are working in a Western Australian School. For students completing their school experiences in places outside of WA, they will need to check the local regulations.

Refer to the School of Education Professional Experience website for details and forms:

<http://www.murdoch.edu.au/School-of-Education/Professional-Experience/Checks-and-clearances/>. Do not apply to police stations.

Working With Children application forms are available at Western Australian Post Offices. Students need proof of identity when submitting these forms. Copies of these clearances are a requirement for placement in any school in WA. Students need to apply for their WA Department of Education National Police History Check at least six weeks prior to being placed in a school, as they can take time to be processed. An officer from the Professional Experience Office must sign the Working With Children forms, which students must take to a Post Office to be registered.'

Successful completion of this unit will be accepted in lieu of a Specified Elective. Timetabling and attendance for this unit will vary according to the individual placement arrangements negotiated.

A result of Ungraded Pass or Fail is awarded for this unit.

### Learning and Teaching with ICT (EDU615)

*As for EDU617 except:*

Credit Points: 3

MURDOCH: S2-external

No attendance requirement.

### Learning and Teaching with ICT (EDU617)

Credit Points: 4

DUBAI-ISC: TSD-internal

This unit focuses on practical and theoretical issues related to the use of information and communications technology (ICT) across the curriculum in primary, secondary and postsecondary education. Students will critically examine ICT in the research literature, explore the affordances and plan an authentic learning environment using technology as cognitive tools.

Tutorials: 3 hours.

Prerequisites: Enrolment in a graduate-level qualification or permission of the Unit Coordinator.

### Legal Practice Placement I (LLM512)

Credit Points: 6

MURDOCH: S1-placement (quota of 10 places), S2-placement (quota of 10 places)

Gain the practice experience necessary for admission to the legal profession. You will be placed within the Legal Practice run in collaboration with SCALES Community Legal Centre and gain experience in any or all of our practice areas such as human rights, family or generalist law. This unit provides opportunity to undertake varied legal work under the supervision of our solicitors, including interviewing clients, legal research, formulating and giving advice as well as law reform and policy work.

Participate in practice under the supervision of a solicitor and/or migration agent.

This happens twice a week for a full day. During the practice day the student will also engage in case conferences and case meetings with their supervisors and other student

Prerequisites: Enrolment in the Graduate Certificate in Legal Practice

This unit is subject to quota. Quota is due to the practical skills focus limiting student numbers. Preference will be given to students based on their previous academic performance in clinical units.

### Legal Practice Placement II (LLM513)

Credit Points: 6

MURDOCH: S1-placement (quota of 10 places), S2-placement (quota of 10 places)

This unit extends the practice experience covered in Legal Practice Placement I and develops the skills necessary for admission to the legal profession. Continuing your placement with SCALES Community Legal Centre this unit will also introduce more law reform and policy work, developing a deeper understanding and critique of the law and the legal system. It will also further develop your lawyering skills through work on more complex cases.

Participate in practice under the supervision of a solicitor and/or migration agent.

This happens twice a week for a full day. During the practice day the student will also engage in case conferences and case meetings with their supervisors and other student

Prerequisites: Successful completion of LLM512 Legal Practice Placement I.

This unit is subject to quota. Quota is due to the practical skills focus limiting student numbers. Preference will be given to students based on their previous academic performance in clinical units.

### **Legal Protection of International Human Rights (LLB337)**

Credit Points: 3

MURDOCH: S1-internal  
GENEVA: S2G-internal

This unit will review the legal nature, content and application of international human rights. Human rights standards as set out in regional and international treaties and declarations will be considered, together with an in-depth look at the rights of interest to particular groups such as women, children, indigenous peoples and refugees. The unit will involve a consideration of fundamental human rights standards recognised and how these are enforced through international and regional mechanisms.

Lectures: 2 hours per week. In relation to the S2G enrolment option for this unit, students will have 24 hours taught intensively

Prerequisites: Successful completion of LAW258/LLB358 Australian Administrative Law and LAW259/LLB259 Constitutional Law.

The S2G enrolment option for this unit is offered as part of the International Human Rights Law Program in Geneva, Switzerland. Enrolment in this program is by application, and applications require payment of non-refundable deposit. Students enrolling in the program are responsible for their own airfares, accommodation and incidental expenses during the program. Contact the School of Law for further information.

### **Legal Research (LEG120)**

Credit Points: 3

MURDOCH: S1-internal

This unit focuses on qualitative and quantitative research methods in the criminological and legal domain as well as legal research. In addition, students gain the skills necessary to write research reports and reports for courts and regulatory bodies.

Lectures: 1 hour per week; workshops: 2 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed LEG120/LAW120 (prior to 2012)/ Research and Writing may not enrol in this unit for credit.

Student enrolled in the LLB/BCrim combined degree must enrol in this unit for credit towards their BCrim degree.

### **Legal Research Methods for Honours (LLB582)**

Credit Points: 3

MURDOCH: H-internal, Y-internal

This unit aims to equip students with the requisite skills in advanced legal research and writing in preparation for completion of the honours thesis. It provides students with an introduction to some of the current legal research paradigms and their methodologies together with opportunities to revise and reinforce their legal research skills. Students will develop a literature review and provide a presentation on their research proposal as part of the learning activities in this unit.

Seminars: up to 24 hours.

Prerequisites: Admission to the Honours Programme in Law

### **Legal Studies Honours Seminar (LEG530)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal, Y-internal

This unit provides students with an opportunity to undertake and present upon a substantial piece of research on an alternative topic to their honours thesis. Students are guided towards the selection of an appropriate topic with class time devoted to an examination of relevant literature. Students actively take charge of their learning and further refine their skills as critical consumers of academic and empirical literature. Students will present their findings to their peers and members of the faculty.

Prerequisites: Enrolment in Honours in Legal Studies.

### **Legal Theory (LAW301)**

Credit Points: 4

MURDOCH: S1-internal

This unit will contribute to the development of the following Graduate Attributes: communication (to demonstrate written skills of a high level); research (to demonstrate research skills of a high level); critical thinking (to demonstrate ability to think clearly, and critically when solving problems; to fuse experience, reason and training into considered judgement); professional knowledge (to use and maintain knowledge about a discipline, in terms of theoretical, conceptual and methodical elements).

Lectures: 4 hours per week.

Prerequisites: LEG120/LAW120 Research and Writing, LEG120 (prior to 2012)/LAW120 Research and Writing/LAW120 Legal Writing for Lawyers, LEG150 (prior to 2011)/LAW150 Australian Legal System, LAW152 Torts, LAW130 Criminal Law and Procedure, LAW260 Contract.

Exclusions: Students who have successfully completed LAW366 Jurisprudence cannot enrol in this unit for credit.

### **Legal Theory and Research (BJU300)**

Credit Points: 3

Not available this year

This unit provides an understanding of jurisprudence and of the historical context in which law has developed. Students will learn how to formulate a research hypothesis informed by legal theory. The unit surveys the classical origins of the rule of law, the historical events that influenced the development of theories of law, and the contributions of legal theorists. Topics include natural law, legal positivism, evolutionary legal theories, Marxist jurisprudence, legal realism, critical legal studies, feminist jurisprudence and economic legal theory.

### **Legal Writing for Lawyers (LLB120)**

Credit Points: 3

MURDOCH: S1-internal

This unit provides students with fundamental skills necessary for success in the study of law and in a legal career. It considers the principles of clear writing (or 'plain English') in various kinds of legal writing. It also covers related areas of law, especially the drafting and interpretation of wills. It will introduce students to fundamental legal research skills (particularly in the use of secondary legal materials), and ethical aspects of legal scholarship.

Lectures: 1 hour per week, tutorials: 4 x 1 hour spaced across semester

Prerequisites: Enrolment in LLB or Juris Doctor (pre-2014) AND successful completion of LAW150 Australian Legal System or BJU100 Australian Legal System, OR concurrent enrolment in BJU100 Australian Legal System.

Exclusions: Students who have successfully completed LEG120 (prior to 2012)/LAW120 Research and Writing/LAW120 Legal Writing for Lawyers may not enrol in this unit for credit.

### Life Cycle Assessment (PEN611)

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit develops an understanding of Life Cycle Assessment methodologies with a particular emphasis on the application to energy systems. As part of this the unit will explore the mathematical structure of Life Cycle Inventory Analysis.

Lectures: 1 hour per week; tutorials: 1 x 2 hours per week.

Prerequisites: Enrolment in a Graduate course.

### Life Sciences Masters Project (VLS690)

Credit Points: 12

MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

This unit involves students in a supervised, advanced investigation of a selected topic related to their main area of study and is designed to complete the requirements of the Masters degree. Research topics, generally applied in nature, will be chosen from a list of projects in consultation with the Unit Coordinator and proposed supervisor. The project runs over two semesters.

Tutorials: 6 hours per semester.

Prerequisites: Enrolment in Master of Environmental Science or other Masters courses with permission of the Master of Environmental Science Academic Chair.

### Life Sciences Masters Project (VLS6901)

*As for VLS690 except:*

Credit Points: 3

MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

### Life Sciences Masters Project (VLS6902)

*As for VLS690 except:*

Credit Points: 6

MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

### Life Sciences Masters Project (VLS6903)

*As for VLS690 except:*

Credit Points: 9

MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

### Life Sciences Masters Research Dissertation (VLS629)

Credit Points: 12

MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

Students undertake an advanced, supervised investigation of a

research problem related to their main area of study. The project will report on the rationale, methods and results of the research and will be assessed on the basis of the quality of a submitted dissertation. Project topics, applied in nature, will be chosen in consultation with the Academic Chair and the proposed supervisor. The dissertation will be assessed by two staff members or other appropriately qualified people as approved by the Academic Chair.

Discussions with supervisor(s) as required. This is an independent research project and is therefore unique for each student.

Completing the Masters project will require critical thinking and good time management. Full time enrolment (completion in one semester) is equivalent to 40 hours of study per week.

Prerequisites: Enrolment in the Master of Plant Biosecurity.

Students must have completed and passed all other units that comprise the Masters, prior to enrolling in this unit.

### Life Sciences Masters Research Dissertation (VLS6291)

*As for VLS629 except:*

Credit Points: 6

MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

### Life Sciences Masters Research Dissertation (VLS6292)

*As for VLS629 except:*

Credit Points: 9

MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

### Life, Death and Meaning (PHL277)

Credit Points: 4

MURDOCH: S1-internal, S1-external

Questions of meaning and how we fit into the world often seem empty and outdated. Science and technology provide the dominant framework for thinking about who we are and what matters in life. Material possessions seem to be the only measure of life's success. Is it possible to speak of the meaning of life? Is the ancient concern with the soul meaningful to us? How can we think about death? What is the connection between responsibility and a meaningful life?

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil. This unit is intended to be accessible to students from all disciplines.

Normally available every second year.

### Life, Death and Meaning (PHL377)

*As for PHL277 except:*

Credit Points: 3

Not available this year

### Literacies in the Early Years (EDN421)

Credit Points: 4

MURDOCH: S1-external

This unit aims to prepare students for the teaching of language and literacies in the early years: children aged birth to eight years. It will build on the understandings, knowledge and skills developed in the English curriculum units and in the early childhood units.



Nil.

To complete Assignment 1 students will need to locate an early childhood centre to undertake a child case study. To complete Assignment 2 students will need to conduct fieldwork in a school-based early childhood classroom (Kindergarten to Year 1). Details are provided in the Unit Information and Learning Guide which will be available online at the commencement of the semester.

Prerequisites: Enrolment in the BEd Early Childhood 0-8 OR BEd Early Childhood and Primary Teaching; AND successful completion of EDN111 Language for Learning and Teaching, EDN113 Living and Learning with Technology, AND EDN112/BED150 Understanding Teachers' Work.

### Literacy and Learning (EDN563)

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit focuses on strategies for meeting the literacy-learning needs of diverse learners. Informed by evidence-based practice and recent theoretical understandings, participants will identify strategies to support literacy learning through a balanced approach to listening, speaking, reading and writing, using a wide range of texts across all learning areas at each Primary level. Considerations of gender, and social, cultural and language background will be taken into account. Participants will explore strategies for supporting language and literacy development in Primary classrooms.

Advanced seminars: 9 hours over the semester.

Prerequisites: Enrolment in the Master of Teaching (Primary); successful completion of or co-enrolment in EDN5501 Transition to Teaching and EDN561 Understanding the Learner and the Learning Environment; co-enrolment in EDN562 Numeracy and Learning

### Literary Theory (EGL346)

*As for EGL354 except:*

Credit Points: 3

Not available this year

### Literary Theory (EGL354)

Credit Points: 4

MURDOCH: S1-internal, S1-external

This unit introduces students to a range of contemporary theoretical approaches to the study of literature, with a particular emphasis on postmodernism, post-structuralism and postcolonialism. An understanding of literary theory is developed through critical readings of several works of literature, including a number of contemporary texts.

Lectures: 1 hour per week; seminars: 1.5 hours per week.

Prerequisites: Nil.

### Literature Review (CHE576)

Credit Points: 3

MURDOCH: S1-internal, S2-internal

The literature review is a substantial piece of writing reviewing literature in a topic relevant to the research being carried out for the Honours thesis topic and agreed upon in consultation with the project supervisor. Students normally undertake this unit in their first Honours semester.

Prerequisites: Nil.

### Living and Learning with Technology (EDN113)

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit focuses on technologies, not as hardware and software that are objects of study themselves, but as tools for personal learning and contemporary teaching. The unit will give students the opportunity to explore technology as social beings, as student learners and as classroom teachers. Tasks will be documented and presented in a website that you create, and will focus on the creation of authentic and useful products (such as websites and digital teaching resources).

Lectures/workshops: 3 hours per week.

The unit is designed for students to use their own technology. Internal classes are not held in computer labs (although tutorial rooms have access to an electronic whiteboard). Students who have a laptop, iPad or Internet-enabled mobile phone should bring that to class.

Prerequisites: Enrolment in an initial teacher education course or permission from the Unit Coordinator.

### Local Area Network Design and Implementation (ICT546)

Credit Points: 3

MURDOCH: S1-internal

This unit serves as an introduction to data-communications. The architectures of TCP/IP and OSI models are studied and students completing the unit will be conversant with the devices, technology and language of data-communications. Extensive practical exercises switches, routers and access-points will place the theory in context, allowing students to design and troubleshoot small LANs. For students specialising in data-communications, subsequent units will add depth and breadth to this foundation.

Lectures: 1 hour per week; tutorials: 1 x 2 hours per week

Prerequisites: Enrolment in a graduate-level IT course.

### Love and Friendship (PHL212)

Credit Points: 3

Not available this year

Love and friendship have long been recognised as playing a central part in the best sort of human life. But just what love is, how friendship differs from other sorts of love, and why love relationships are so important is not so readily understood. This unit explores philosophical perspectives on the nature of love and friendship, the roles of intimacy, uniqueness, constancy, reciprocity and love of humanity, as well as themes concerning autonomy, jealousy, gender and ethics.

Prerequisites: Nil.

### Love and Sexuality in Japan (JPN207)

Credit Points: 3

MURDOCH: S2-internal, S2-external

Explores and critically analyses multiple attitudes to and manifestations of love and sexuality in twentieth and twenty-first century Japan. Themes discussed include marriage, non-marriage and divorce; diverse configurations of 'family'; gender-role changes in private and public domains; childbearing and contraception; ethnic and social minority issues impacting upon intimate relationships; sex work; diverse sexualities; sexual and reproductive choices affecting Japan's population; and fandom. Its multidisciplinary approach enriches background knowledge for Asian Studies and Japanese language majors, and Gender Studies

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minors.

Lectures: 2 x 1 hour per week; tutorials: 1 x 1 hour per week.

Watching prescribed films in students' out-of-class time.

Prerequisites: Nil.

Exclusions: Students who have successfully completed AST253 Special Topics in Asian Studies: Love and Sexuality in Japan or JPN206 Love and Sexuality in Japan cannot enrol in this unit.

### Macroeconomics A (BUS260)

*As for BUS289 except:*

Credit Points: 4

KAPLAN-SGP: TMA-internal

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: BUS161 Introduction to Economics or BUS171 Foundations of Economics

### Macroeconomics A (BUS289)

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit provides an intermediate level of knowledge and understanding of basic macroeconomic principles. A framework for analysis is developed and the determinants of unemployment, inflation and the level of output are discussed. Particular emphasis is placed upon the role of government macroeconomic policy.

Lectures: 2 hours per week; tutorials: 1 hour per week

Prerequisites: BUS171 Foundations of Economics or BUS161 Introduction to Economics

Exclusions: students who have successfully completed BUS260 Macroeconomics A may not enrol in this unit for credit.

### Macroeconomics B (BUS327)

Credit Points: 3

Not available this year

This unit provides an intermediate level of knowledge and understanding of basic macroeconomic principles. A framework for analysis is developed and the determinants of unemployment, inflation and the level of output are discussed. Particular emphasis is placed upon the role of government macroeconomic policy.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: BUS260/BUS289 Macroeconomics A

Exclusions: Students who have successfully completed BUS360 Macroeconomics B may not enrol in this unit for credit.

### Macroeconomics B (BUS360)

*As for BUS327 except:*

Credit Points: 4

MURDOCH: S2-internal, S2-external

KAPLAN-SGP: TMA-internal

Seminars: 1 x 3 hours per week.

Prerequisites: BUS260 Macroeconomics A

### Making of the Modern World (HIS182)

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit introduces students to a variety of social, political, cultural and conflict histories and explores how the global history of the past three hundred years has shaped the contemporary world. The unit is divided into three modules - Empires, Ideologies and Revolutions - each of which will be engaged in from a global perspective, exploring historical problems from the European, Trans-Atlantic, Asian, Middle Eastern and Colonial worlds and provide an introduction to the concepts of 'different histories' and historiography.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed HIS182 Turning Points in History cannot enrol for credit in this unit.

### Management Accounting (BUS227)

*As for BUS287 except:*

Credit Points: 4

KAPLAN-SGP: TJA-internal, TSA-internal

SGP1: TJB-internal, TSB-internal

Lectures: 1 hour per week; workshops: 2 hours per week.

Prerequisites: BUS160 Introduction to Accounting/BUS170 Foundations of Accounting

Trimester offerings for this unit at Singapore (SGP1) are taught in intensive mode.

### Management Accounting (BUS287)

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit examines the role of the accountant in providing information to internal management. The major areas are advanced costing methods, budgeting and performance evaluation, and decision making.

Lectures: 1 hour per week; workshops: 2 hours per week.

Prerequisites: BUS160 Introduction to Accounting/BUS170 Foundations of Accounting

Exclusions: Students who have completed BUS227 Management Accounting may not enrol in this unit for credit.

### Management Accounting (MBS627)

*As for MBS669 except:*

Credit Points: 4

KAPLAN-SGP: TJA-internal, TSA-internal

Lectures/seminars/workshops: 3 hours per week.

Prerequisites: Enrolment in a graduate-level course.

### Management Accounting (MBS669)

Credit Points: 3

MURDOCH: S1-internal

This unit focuses on providing accounting information to internal management. The topics include advanced costing methods and systems for services, products and overheads; information for managing resources for performance evaluation and tactical decision making. In addition contemporary approaches to measure

and manage performance using non-financial indicators will be discussed.

Lectures/seminars/workshops: 3 hours per week.

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students who have successfully completed MBS627 Management Accounting may not enrol in this unit for credit.

### **Management and Governance Research Practicum (MBS643)**

Credit Points: 6

MURDOCH: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

May be taken as an elective in any area of study covered in the Master of Business Administration, Master of Human Resource Management or as a core unit in the Master of Professional Accounting. A substantial formal report is submitted for assessment and may involve original research, a replication of published research in a different setting or applied studies of a problem-solving nature. Enrolments are subject to the availability of an appropriate staff member to supervise and a suitable project.

Prerequisites: MBS520 Research Preparations for Business

### **Management and Governance Research Practicum (MBS649)**

Credit Points: 12

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

This unit may be taken as an elective in any area of study covered in the Master of Business Administration or Master of Human Resource Management. A substantial formal report is submitted for assessment and may involve original research, a replication of published research in a different setting or applied studies of a problem-solving nature. Enrolments are subject to the availability of an appropriate staff member to supervise and a suitable project.

Timetabled activities will be dependent on the type of project undertaken and will be finalised with the student by Week 2 of the enrolled semester. These activities need to be flexible in timing and content as each project is individual.

Prerequisites: MBS520/MBS620 Research Preparation for Business.

Exclusions: Students who have successfully completed MBS612 Research Project may not enrol in this unit for credit.

### **Managing Communication (MCC687)**

Credit Points: 3

MURDOCH: S2-internal

Explore the main theoretical perspectives that inform organisational communication and situate them in relation to the strategic communication skills necessary for public sector professionals, not-for-profit professionals and people working in international affairs. Examine the importance of organisational culture and communication with stakeholder groups. Develop the conceptual ability to link the development of organisational goals with communication practices appropriate for the political environment and learn to conduct professional communication within a diverse range of public sector environments.

Seminars and workshops are delivered in intensive teaching mode (24 hours contact time), which may include evenings and weekends. Students will then complete research assignments independently, in consultation with teaching staff.

Prerequisites: Enrolment in a graduate-level course.

### **Managing in a Health Care Environment (SHP612)**

Credit Points: 3

MURDOCH: S1-external

This unit introduces students to management in diverse health care environments. It explores the complexities and challenges of health care management, and examines theoretical and contemporary evidence-based practice perspectives through review of current research. Concepts of managing change, motivation, conflict, information, human resources, community engagement and organisational behaviour are discussed in the context of Australian health care organisations. This unit is suitable for health professionals working in leadership and management roles, and those aspiring to do so.

External: No attendance required

Prerequisites: Enrolment in a Graduate course.

Exclusions: Students who have successfully completed NUR612 Managing in a Health Care Environment may not enrol in this unit for credit.

### **Managing Remuneration, Benefits and Motivation (MBS626)**

Credit Points: 4

DUBAI-ISC: TMD-internal  
KAPLAN-SGP: TMA-internal

This unit focuses on managing employee remuneration and benefits in contemporary organisations. It gives students a broad understanding of the theoretical frameworks underpinning the links between work behaviours and pay, and practical experience in designing and evaluating an effective remuneration system. Topics include the mechanics of determining relative job worth when establishing pay structures; the link between motivation theory and the use of incentive systems in performance management; the impact of economic theory and the broader environment in wage determination.

Lectures/seminars/workshops: 3 hours per week.

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students who have successfully completed MBS668 Managing Remuneration, Benefits and Motivation may not enrol in this unit for credit.

### **Managing Remuneration, Benefits and Motivation (MBS668)**

*As for MBS626 except:*

Credit Points: 3

MURDOCH: S2-internal, S2-external

Lectures/seminars: 3 hours per week

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students who have successfully completed MBS626 Managing Remuneration, Benefits and Motivation may not enrol in this unit for credit.

### **Managing Wetlands and Water (ENV311)**

Credit Points: 4

MURDOCH: S2-internal, S2-external

This unit provides both the theoretical understanding and the practical skills needed to effectively manage, monitor and conserve aquatic ecosystems. This unit focusses on inland waters (wetlands, rivers and lakes), although estuaries are also considered. Management of aquatic ecosystems requires knowledge of how

they function; incorporating physical and chemical processes, flora, fauna and ecology. We then engage this knowledge to address various management issues and strategies. Field, laboratory and a self-driven research project provide practical application of management skills.

Lectures: 2 hours per week; practical work: 3 hours per week.

The practical work includes one (external mode) or two (internal mode) field trips and a self-directed research project.

Prerequisites: Completion of ENV268/ENV241 Ecology. Concurrent enrolment in ENV268/ENV241 may be approved by the ENV311 Unit Coordinator.

Exclusions: Students who have successfully completed ENV311 Management of Aquatic Systems may not enrol in this unit for credit.

### **Managing Wetlands and Water (ENV332)**

*As for ENV311 except:*

Credit Points: 3

Not available this year

Lectures: 2 hours per week; practical work: 3 hours per week.

The practical work includes one (external mode) or two (internal mode) field trips and a self-directed research project.

Prerequisites: ENV241/ENV268 Ecology.

Exclusions: Students who have successfully completed ENV311 Management of Aquatic Systems/ Managing Wetlands and Water may not enrol in this unit for credit.

### **Managing, Evaluating and Developing Human Resources (MBS525)**

Credit Points: 4

DUBAI-ISC: TMD-internal  
KAPLAN-SGP: TMA-internal

This unit will focus on the integration of performance appraisal, training, management development and career management systems that form the nucleus of an overall performance management system in an organisation. Such systems need to be mutually reinforcing to achieve the accountability, development, maintenance and motivation of human resources in the enterprise.

Lectures/seminars: 3 hours per week.

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students who have successfully completed MBS625 Managing, Evaluating and Developing Human Resources may not enrol in this unit for credit.

### **Managing, Evaluating and Developing Human Resources (MBS535)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit will focus on the integration of performance appraisal, training, management development and career management systems that form the nucleus of an overall performance management system in an organisation. Such systems need to be mutually reinforcing to achieve the accountability, development, maintenance and motivation of human resources in the enterprise.

Lectures/seminars/workshops: 3 hours per week.

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students who have successfully completed MBS625 Managing, Evaluating and Developing Human Resources cannot

enrol in this unit for credit.

### **Marine and Estuarine Biology (BIO384)**

Credit Points: 4

MURDOCH: S1-internal

This unit examines marine and estuarine ecosystems, their organisms and how these ecosystems function. Commencing with an introduction to marine ecology, followed by an examination of various aspects of planktonic, estuarine, intertidal, benthic and coral reef communities. The information is used to illustrate the temporal and spatial structure and functioning of marine ecosystems. Essential part of the unit is a one-week field camp, which will be held in the week preceding the start of Semester 1.

Lectures: 3 hours per week; workshops: 3 hours per week for part of the semester; tutorial: 1 x 2 hours. Field trip during the week before Semester 1.

Field trip during the week before Semester 1. Computer workshops and supporting lectures to train students in the use of advanced multivariate analysis techniques.

Prerequisites: BIO261/BIO244 Animal Diversity, or BIO287 Plant Diversity (Marine Science) or BIO265/BIO245 Plant Diversity, or ENV268/ENV241 Ecology.

### **Marine Botany (BIO254)**

Credit Points: 3

MURDOCH: S1-internal

This unit aims to provide you with a working knowledge of algal and marine plant diversity and evolution and their functional interaction with the environment. The unit will cover the algal part of the Kingdom Protista, the Cyanobacteria in the Kingdom Monera and marine representatives in the Plant Kingdom. The unit emphasises morphological diversity, reproductive processes and strategies, adaptation, function and evolution, and ecology. Emphasis is placed on marine organisms throughout the unit.

Lectures: 3 x 1 hour per week; laboratories: 3 hours per week for 7 weeks; tutorials 1 hour per week.

Prerequisites: BIO103 Introduction to Environmental Biology or BIO180 Introduction to Marine Biology.

Exclusions: Students who have successfully completed BIO265 Plant Diversity may not enrol in this unit for credit.

### **Marine Ecology (BIO377)**

*As for BIO384 except:*

Credit Points: 3

Not available this year

Lectures: 3 hours per week; workshops: 2 x 2 hours per week; computer workshops; tutorials: 1 x 2 hours; fieldwork: 1-week fieldwork component in the week before the commencement of Semester 1 (approximately 30 contact hours).

Prerequisites: BIO261/BIO244 Animal Diversity, or BIO287 Plant Diversity (Marine Science) / BIO254 Marine Botany or BIO265/BIO245 Plant Diversity, or ENV268/ENV241 Ecology.

Exclusions: Students who have successfully completed BIO384 Marine and Estuarine Biology may not enrol in this unit for credit.

**Marketing and Advertising Law (BSL203)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit covers the regulation of marketing of goods and services in Australia, dealing with product packaging and labelling, advertising and selling techniques. The unit explains how prohibition against misleading or deceptive conduct in marketing is applied in these areas as well as the laws of intellectual property and how they protect corporations, inventors, artists and commercial designers from theft of their work. The heart of every business is its sales team and this unit provides their legal template.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: BUS165 Principles of Business Law /BSL165 Foundations of Business Law

Exclusions: Students who have successfully completed BUS209 Marketing and Advertising Law may not enrol in this unit for credit.

**Marketing and Advertising Law (BUS209)**

Credit Points: 4

DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TJA-internal, TSA-internal  
SGP1: TJB-internal, TSB-internal

This unit covers the regulation of marketing of goods and services in Australia, dealing with product packaging and labelling, advertising and selling techniques. The unit explains how prohibition against misleading or deceptive conduct in marketing is applied in these areas as well as the laws of intellectual property and how they protect corporations, inventors, artists and commercial designers from theft of their work. The heart of every business is its sales team and this unit provides their legal template.

Prerequisites: BUS165 Principles of Business Law or BSL165 Foundations of Business Law.

**Marketing Research and Analysis (BUS210)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit is designed to provide students with an overview of the marketing research process and its basis in the scientific method. It also develops knowledge in the principles of research design, data collection, statistical analysis and report preparation and presentation. The unit examines recent developments in online research methods and the use of database marketing. Ethical issues of research are also addressed as well as difficulties involved in cross-cultural research.

Lectures/workshops: 3 hours per week.

Prerequisites: MAS180 Introduction to Statistics or BUS130 Foundational Mathematics for Business; and BUS169 Principles of Marketing or BUS183 Foundations of Marketing

Exclusions: Students who have successfully completed BUS235 Marketing Research and Analysis cannot enrol in this unit for credit.

**Marketing Research and Analysis (BUS235)***As for BUS210 except:*

Credit Points: 4

DUBAI-ISC: TMD-internal  
KAPLAN-SGP: TMA-internal  
SGP1: TMB-internal

Lectures/workshops: 3 hours per week.

Prerequisites: MAS180 Introduction to Statistics or BUS130

Foundational Mathematics for Business; and BUS169 Principles of Marketing or BUS183 Foundations of Marketing

Exclusions: Students who have successfully completed BUS210 Marketing Research and Analysis cannot enrol in this unit for credit.

**Master of Arts by Coursework Dissertation (AIS650)**

Credit Points: 12

MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

A dissertation in a Master of Arts by Coursework requires a substantive investigation of a relevant topic under the supervision of a member of the academic staff. Students are required to report their investigation in a dissertation of approximately 20,000 words completed in accordance with University requirements.

Prerequisites: Enrolment in a Master of Arts by Coursework.

Students cannot self-enrol in this unit.

**Master of Arts by Coursework Dissertation (MCC650)**

Credit Points: 12

MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

A dissertation in a Master of Arts by Coursework requires a substantive investigation of a relevant topic under the supervision of a member of the academic staff. Students are required to report their investigation in a dissertation of approximately 20,000 words completed in accordance with University requirements.

Prerequisites: Enrolment in an MA by Coursework.

Students cannot self-enrol in this unit.

**Master of Ministry Project (THE583)**

Credit Points: 8

MURDOCH: H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

A project in a Master of Ministry requires a major report on a relevant topic under the supervision of a member of the Theology staff. A 4-point project will normally have a maximum of 6,000 words, and an 8-point project at most 12,000 words, completed in accordance with University requirements. This unit is not open for self-enrolment as students must discuss with the Academic Chair their topic and the availability of a supervisor.

Prerequisites: Completion of the first year of Master of Ministry for the 8-point project only.

**Masters by Coursework Research Dissertation (ART610)**

Credit Points: 12

MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

A Masters by Coursework Dissertation requires substantive investigation of a relevant topic under the supervision of a member of the academic staff. Students must apply for permission to undertake the Dissertation option. They should submit to the Academic Chair a short description of the topic of the proposed research and the sources to be used. Students should enrol in the Masters by Coursework Research Project in the initial instance until approval to enrol in the Dissertation has been obtained.

Prerequisites: A Distinction average in coursework and approval of the Academic Chair.

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**Masters by Coursework Research Project (ART640)**

Credit Points: 3

MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, Y-internal, Y-external

A Masters by Coursework Research Project requires major investigation of a relevant topic carried out under academic staff supervision. A substantial formal report is submitted for assessment and may involve original research, a replication of published research in a different setting or applied studies of a problem-solving nature.

Prerequisites: Enrolment in a Masters course.

**Masters by Coursework Research Project (ART6401)***As for ART640 except:*

Credit Points: 6

MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, Y-internal, Y-external

**Masters by Coursework Research Project (ART6402)***As for ART640 except:*

Credit Points: 9

Not available this year

**Masters Coursework Production (MCC651)**

Credit Points: 12

MURDOCH: H-internal, S1-internal, S2-internal, Y-internal

A Master of Arts by Coursework Production is a discrete production, such as a short film, short feature, or screenplay. Candidates wishing to include, in addition to the production, a written thesis component that will position the production as a research-oriented work should enrol in MCC650 Master of Arts by Coursework Dissertation (12 pts).

Prerequisites: Nil.

**Masters Topic in Media Production (MCC6101)**

Credit Points: 6

MURDOCH: H-internal, S1-internal, S2-internal, SUM-internal, Y-internal

This is a Master-level unit, specific to the candidate's program of study, designed to afford focus on a related area of research, praxis, pre-production or production methodology.

Prerequisites: Nil.

**Masters Topic in Media Production (MCC6102)**

Credit Points: 6

MURDOCH: H-internal, S1-internal, S2-internal, SUM-internal, Y-internal

This is a Master-level unit, specific to the candidate's program of study, designed to afford focus on a related area of research, praxis, pre-production or production methodology.

Prerequisites: Nil.

**Materials Chemistry (CHE304)***As for CHE312 except:*

Credit Points: 3

Not available this year

Lectures: 3 x 1 hour per week; laboratories: 1 x 4 hours per week for 8-9 weeks of the semester

Prerequisites: CHE247 Chemical Processes and CHE201 Thermodynamics.

**Materials Chemistry (CHE312)**

Credit Points: 4

MURDOCH: S1-internal, S1-external

Materials chemistry investigates the relationship between the atomic or molecular structure of materials and their macroscopic properties. This unit introduces the properties, characterisation techniques and applications of various materials, and the fundamental chemistry underpinning their preparation, structure and properties. Materials categories covered in this unit range from highly structured materials such as ionic compounds, metals and alloys through disordered materials such as polymers and on to advanced materials such as nano-particles, semiconductors and biomaterials.

Lectures/workshops: 4 hours per week; laboratories: up to 4 hours per week.

External: Internet access and compulsory up to 4-day on campus laboratory session. Due to the nature of offering this unit, students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to commencement of the teaching period.

Prerequisites: CHE/PEC201 Thermodynamics; CHE/PEC247 Chemical Processes.

**Maternal, Child and Adolescent Nursing Care (NUR259)**

Credit Points: 4

PEEL: S2N-internal

This unit will allow students to explore maternal and children's health from a holistic perspective that will include individual, contextual and modifying factors. Students will understand the necessity to work in partnership with families and parents to enhance strength and competence from a primary health care perspective. This unit will introduce nurses to the main concepts beginning from the childbirth continuum through to adolescents, utilising physical and psychosocial development models.

Lectures: 1 hour per week; laboratories: 2 hours per week.

Prerequisites: Completion of all Part 1 core BNursing units, NUR256 Medication Management for Nursing

Exclusions: Students who have successfully completed NUR302 Maternal and Newborn Health may not enrol in this unit for credit.

The main concepts of this unit will be consolidated during a clinical placement under the supervision of the registered midwife and or nurse.

**Mathematical Methods (MAS220)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

Real problems often involve a number of variables that depend on time (a vector function), or a single function that depends on many variables (a function of several variables), or a combination of both. This unit is made up of four sections: Fourier series, multivariable

calculus, linear algebra and Laplace transforms. These are branches of mathematics essential for dealing with such real-world problems.

Lectures: 3 x 1 hour per week; tutorials: 1 hour per week.

Prerequisites: MAS161 Calculus and Matrix Algebra or MAS208 Mathematical Modelling or equivalent.

Exclusions: Students may not enrol in this unit and either of MAS164 Fundamentals of Mathematics or MAS182 Applied Mathematics or equivalent concurrently.

### Mathematical Modelling (MAS221)

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit considers mathematical models, their uses and limitations. Case studies involving relatively simple mathematical ideas will demonstrate that models range from simple tools for answering 'what if' questions to quite accurate descriptions that allow useful predictions to be made. Topics: modelling of chemical, biological and physical systems (using first order ordinary differential equations); modelling of steady state systems (using matrix algebra); dynamical models (ordinary differential equations); modelling of diffusive processes (partial differential equations).

Lectures: 3 x 1 hour per week; tutorials: 1 hour per week.

Prerequisites: MAS182 Applied Mathematics or MAS161 Calculus and Matrix Algebra or equivalent.

Exclusions: Students may not enrol in this unit and MAS164 Fundamentals of Mathematics concurrently.

### Mathematics and Numeracy in the Early Years (EDN462)

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit aims to prepare students for the teaching of mathematics and numeracy in the early years - birth to Year 3. It will build on the understandings, knowledge and skills developed in the Mathematics curriculum units and in the Early Childhood units.

Lectures: 1 hour per week; workshops: 2 hours per week

Prerequisites: Enrolment in the Early Childhood 0-8 (BEd), OR the Early Childhood and Primary Teaching (BEd), OR the Primary Teaching (Four Years) (BEd), and successful completion of either EDN114 Thinking Mathematically or EDN110 Mathematics for Teachers and BED150 Understanding Teachers' Work.

### Mathematics and the Curriculum (Secondary) (Major) (EDN414)

Credit Points: 4

MURDOCH: S1-external

This unit aims to assist the student teacher to develop competency with the planning and implementation skills associated with the teaching of a program of secondary mathematics. It is directed towards the development of the mathematical skills and problem-solving abilities of adolescents. This unit is not a mathematics unit; rather, it is about teaching mathematics.

Lectures/workshops: 50 hours.

Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

Prerequisites: Successful completion of BED150/ EDN112/EDN1121 Understanding Teachers' Work OR EDU101/E101/EDU1011/E1011 Introduction to Teaching AND enrolment in a secondary teacher

education course [BEd (Secondary) OR BEd (Secondary) (Graduate) OR GradDipEd (Secondary)].

Completion or near completion of a major in Mathematics.

Students must have completed or currently be enrolled in EDN4101 School Experience: Secondary BEd for students enrolled in the Bachelor of Education (Secondary).

Students should be enrolled in BEd(Secondary)/BSc (Mathematics and Statistics) OR BEd (Secondary) (Graduate with Mathematics degree) and enrolled in EDU3161 School Experience: Secondary BEd for students taking this unit (EDN414) as a curriculum major. OR

Enrolment in EDN3101 School Experience: Secondary BEd for students enrolled in the Bachelor of Education (Secondary) and taking EDN314 as a curriculum minor.

OR

Enrolment in EDU293 and EDU297 for students enrolled in the Graduate Diploma in Education (Secondary) and taking EDN414 as a curriculum major.

### Mathematics and the Curriculum (Secondary) (Minor) (EDN314)

Credit Points: 2

MURDOCH: S1-external, S2-external

This unit aims to assist the student teacher to develop competency with the planning and implementation skills associated with the teaching of a program of secondary mathematics. It is directed towards the development of the mathematical skills and problem-solving abilities of adolescents. This unit is not a mathematics unit -- rather, it is about teaching mathematics.

Lectures/workshops: 25 hours.

Prerequisites: Successful completion of EDN112/EDN1121 Understanding Teachers' Work or EDU101/E101/EDU1011/E1011 Introduction to Teaching AND enrolment in a teacher education course [BEd (Secondary) or BEd (Secondary) (Graduate); or enrolment in GradDipEd (Secondary) or GradCert in Mathematics Teaching.

Curriculum teaching minor in Mathematics requires a minimum of two units (6 points) at Part I-level and at least one unit (4 points) at Part II-level from the Mathematics and Statistics major.

### Mathematics and the Curriculum A (Secondary 7 - 10) (EDN373)

Credit Points: 3

Not available this year

### Mathematics and the Curriculum B (Secondary 11 - 12) (EDN473)

Credit Points: 3

Not available this year

### Mathematics for Teaching (EDN110)

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit is designed for students who have not successfully and confidently completed stage 2 or above of Year 12 Mathematics. It aims to further enhance their skill and understanding of critical mathematical concepts and processes needed to teach primary school mathematics and science. The content will address key elements of the upper primary school curriculum: number and algebra; measurement and geometry; and statistics and probability.

Lectures: 1 x 1 hour per week; workshops: 1 x 2 hours per week.

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Prerequisites: Enrolment in an initial teacher education course.

Exclusions: Students who have successfully completed Stage 2 or above of Year 12 Mathematics or undergraduate mathematics units. Students who have successfully completed EDU162 Cultural Mathematics or EDN114 Thinking Mathematically may not enrol in this unit for credit.

If students fail EDN110 they cannot enrol in EDN114 Thinking Mathematically. If students fail EDN114 and have not already completed EDN110, then they must complete EDN110 before enrolling again in EDN114.

### Mathematics in the Primary Curriculum (EDN564)

Credit Points: 3

MURDOCH: S2-internal, S2-external

The focus is on the mathematics that is described in the Australian curriculum. Students will learn to develop ways to enact the curriculum within the primary school context. The unit will provide a platform for them to develop pedagogical content knowledge, including the different ways children learn mathematics. The development will enable students to prepare learning activities and building these activities into lesson plans. Further they will embed the plans within a year-long program which they will draft.

Workshops/seminars: 3 hours per week over 12 weeks.

Prerequisites: Enrolment in the Master of Teaching (Primary). Successful completion of EDN5501 Transition to Teaching, EDN561 Understanding the Learner and the Learning Environment. Co-enrolment in EDN565 English and the Primary curriculum.

Exclusions: EDN3331 Teaching Mathematics in Primary Schools

### Meaning and Interpretation (PHL217)

Credit Points: 4

MURDOCH: S2-internal, S2-external

This unit deals with central themes in contemporary philosophy of language, in both the analytic and phenomenological traditions. Questions addressed include: How do we make 'sense' of the world? How do we understand others? What counts as a language? Is 'language' necessary to make the world 'meaningful' for us? Can we think without words? What is the relation between thinking, talking and hearing? What is the relation between language and reality? Is it possible to understand what someone else says?

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

### Meaning and Interpretation (PHL317)

*As for PHL217 except:*

Credit Points: 3

Not available this year

### Mechanisms of Disease (BMS314)

Credit Points: 3

Not available this year

This unit deals with the basic principles of general pathology. It covers all the key mechanisms of diseases such as thrombosis, cardiovascular disturbances, inflammation, cell and tissue death, diseases resulting from an aberrant in utero environment, and diseases of abnormal DNA processing such as neoplasia and inherited conditions. Using examples from human and animal disease the relationships between the varying pathological processes will be explored. Disease is discussed at both the naked eye, microscopic and molecular levels.

Lectures: 3 hours per week; histopathology laboratories: 2 hours per week.

Prerequisites: BMS264/BMS206 Biomedical Physiology

Exclusions: Students who have successfully completed BMS360 Mechanisms of Disease cannot enrol in this unit for credit.

### Mechanisms of Disease (BMS360)

Credit Points: 4

MURDOCH: S1-internal

This unit deals with the basic principles of general pathology. It covers all the key mechanisms of diseases such as thrombosis, cardiovascular disturbances, inflammation, cell and tissue death, diseases resulting from an aberrant in utero environment, and diseases of abnormal DNA processing such as neoplasia and inherited conditions. Using examples from human and animal disease the relationships between the varying pathological processes will be explored. Disease is discussed at both the naked eye, microscopic and molecular levels.

Lectures: 3 hours per week; histopathology laboratories: 2 hours per week; problem-solving workshops: 1 hour per week.

Prerequisites: BMS264/BMS206 Biomedical Physiology.

### Media and Globalisation (MCC314)

Credit Points: 4

MURDOCH: S2-internal, S2-external  
KAPLAN-SGP: TJA-internal, TSA-internal  
SGP1: TJB-internal, TSB-internal

This unit surveys contemporary issues arising from the internationalisation of mass communication. It introduces key theories of globalisation, corporation, concentration and conglomeration, convergence, and media/cultural imperialism. Students will undertake case studies that examine a range of topics including the advent of 24/7 news and development of regional/global media hubs. Students will be tasked to think critically about the global mediascape and develop a deeper understanding of the rapidly changing media and creative industries around the world.

Lectures: 1.5 hours per week; tutorials: 1.5 hours per week.

Prerequisites: MCC108 Introduction to Communication and Media.

### Media and the Curriculum (Major) (EDN415)

Credit Points: 4

MURDOCH: S1-internal, S1-external

This unit examines the study of media in the K-12 school curriculum, particularly as it applies to the learning areas of the Arts and English. Attention is given to how emerging technologies and theories of media might inform the teaching of media in primary and secondary classrooms. Students should expect to develop an increased understanding of, and expertise in, the use of effective strategies for the teaching of media.

Lectures/workshops: 4 hours per week.

Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

Prerequisites: Enrolment in a teacher education course [either BEd (Secondary) or BEd (Secondary) (Graduate) or GradDipEd (Secondary)]; successful completion of BED150/EDN112/EDN1121 Understanding Teachers' Work or EDU101/EDU1011 Introduction to Teaching.

Students should also be enrolled in EDN4101 Professional



Experience: BEd Secondary for students enrolled in the Bachelor of Education (Secondary)/Bachelor of Media or Bachelor of Mass Communication or Bachelor of Communication or Bachelor of Education (Secondary) (Graduate), where taking this unit (EDN415) as a curriculum major.

OR

Enrolment in EDN2161/EDN514 Professional Experience: Secondary Graduate for students enrolled in the Graduate Diploma in Education (Secondary) and taking EDN415 as a curriculum major.

### **Media and the Curriculum (Minor) (EDN315)**

Credit Points: 2

MURDOCH: S1-internal, S1-external

This unit examines the study of media in the K-12 school curriculum, particularly as it applies to the learning areas of the Arts and English. Attention is given to how emerging technologies and theories of media might inform the teaching of media in primary and secondary classrooms. Students should expect to develop an increased understanding of, and expertise in, the use of effective strategies for the teaching of media.

Lectures/workshops: 4 hours per week.

Prerequisites: Enrolment in a teacher education course [either BEd (Secondary) or BEd (Secondary) (Graduate) or GradDipEd (Secondary)]; successful completion of BED150/EDN112/EDN1121 Understanding Teachers' Work or EDU101/EDU1011 Introduction to Teaching.

Enrolment in EDN3101 Professional Experience: BEd Secondary for students enrolled in the Bachelor of Education (Secondary) and taking EDN315 as a curriculum minor

OR

Enrolment in EDN2161/EDN514 Professional Experience: Secondary Graduate for students enrolled in the Graduate Diploma in Education (Secondary) and taking EDN315 as a curriculum minor.

Curriculum teaching minor in Media requires a minimum of two units (6 points) at Part I-level and at least one unit (4 points) at Part II-level from the Mass Communication or Media Studies or Multimedia or Communication or Digital Media majors.

### **Media Audiences and the Public (MCC236)**

Credit Points: 4

DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TJA-internal, TSA-internal  
SGP1: TJB-internal, TSB-internal

This unit considers the contemporary media environment for audiences in terms of historical and newly developing traditions of audience analysis. It also examines theories that inform public and political communication, focusing specifically on the media-public dynamic. The unit draws on several disciplines, including mass communication, media studies, psychology, consumer behaviour, public opinion and cultural studies. The unit provides practical knowledge about how media audiences and publics are measured and develops basic proficiency in the practical skills of audience research.

Lectures: 1 hour per week; tutorials 1.5 hours per week.

Prerequisites: MCC108 Introduction to Communication and Media.

Exclusions: Students who have completed MSC236 Media Audiences are not eligible to enrol in this unit.

### **Media Governance and the Public Sphere (CMS305)**

Credit Points: 3

Not available this year

This unit focuses on media governance and its relations to the public sphere. It will examine policies and practices that govern and influence the media, public culture and the creative industries. Students will learn about key media regulatory issues - including community standards, ethics, norms, etiquettes, literacies - and understand how these enable and constrain a range of media, cultural and social practices globally. Topical case studies will be drawn from various global contexts and student will learn how to analyse policies.

Lectures: 1 x 1 hour; 1 x 1.5 hours

Prerequisites: Completion of 24 points at 200 level.

Exclusions: Students who have successfully completed MCC337 Cultural and Media Policy cannot enrol in this unit.

### **Media Law and Ethics (JOU245)**

Credit Points: 3

MURDOCH: S1-internal

All professional communicators need to be aware of their legal and ethical rights, obligations and responsibilities. This unit examines the laws affecting journalists, public relations practitioners and editors in Australia. It will engage students in the ethical issues that face communicators on the job, and consider the ethical issues for each of the communication professions.

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed MCC245 Media Law and Ethics may not enrol in this unit for credit.

### **Media Law and Ethics (MCC245)**

Credit Points: 4

DUBAI-ISC: TJD-internal, TSD-internal  
SGP1: TJB-internal, TSB-internal

All professional communicators need to be aware of their legal and ethical rights, obligations and responsibilities. This unit examines the laws affecting journalists, public relations practitioners and editors in Australia. It will engage students in the ethical issues that face communicators on the job, and consider the ethical issues for each of the communication professions.

Lectures: 1 hour twice a week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed JOU345 Media, Law and Ethics or JOU324 Journalism: Professional and Legal Frameworks may not enrol in this unit for credit.

### **Media Production Seminar (MCC533)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal

This seminar aims to advance understanding of how to analyse and discuss creative concepts, themes, stories and ideas in terms of how they are represented on screen. Existing screen texts will be examined in order to analyse their components -- a shot, scene, sequence or entire film -- in terms of genre, mise-en-scene, narrative qualities and production methodology. Seminar participants also discuss the creative development of their own projects.

Prerequisites: Enrolment in Graduate Certificate in Media

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Production or Graduate Diploma in Media Production

Exclusions: Students who have successfully completed MED433 Media Production Seminar may not enrol in this unit for credit.

A result of Ungraded Pass or Fail is awarded for this unit.

### Media Projects (MCC312)

Credit Points: 4

MURDOCH: S1-internal, S2-internal  
DUBAI-ISC: TJD-internal, TSD-internal

This unit extends the practical, critical and research skills developed in media production units. It is designed for dedicated media makers who wish to (i) participate in a client or a tutor-directed project (ii) explore the conceptual possibilities of the visual medium in the context of a group production (iii) explore collaborative links with other communication and media majors and units. This unit is designed for students in their third full-time year of study.

Tutorials: 3 hours per week.

Prerequisites: MCC201 Professional Development in Screen Production if enrolled in Screen Production major; OR MCC267 Photo and Video Journalism if enrolled in Photography minor; OR MCC244 Radio Presenting and Producing if enrolled in Radio major; OR MCC214 Sound Production if enrolled in Sound major; OR completion of PHO124 Photography 1 and PHO203 Photography 2 if enrolled in the Photography major. Permission of the Unit Coordinator is required for enrolment.

### Media Projects (PHO312)

*As for MCC312 except:*

Credit Points: 3

Not available this year

### Media Relations (MCC259)

Credit Points: 4

DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TJA-internal, TSA-internal  
SGP1: TJB-internal, TSB-internal

This unit explores the theory and practice of media relations through case studies, practical writing exercises and the development of a media relations campaign. Students learn how to work closely with the media, plan and evaluate media campaigns, prepare for interviews and press conferences, and write effective media releases, backgrounders and feature stories. In addition, students will explore the broader social role of media relations and its relationship with public relations.

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

### Media Relations (PRO259)

Credit Points: 3

MURDOCH: S1-internal

This unit explores the theory and practice of media relations and develops writing and editing skills. Students learn to plan and evaluate media campaigns, prepare for interviews and press conferences, and write effective media releases, backgrounders and feature stories. Students will also research and engage in social media.

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed MCC259

Media Relations cannot enrol for credit in this unit.

### Media, Culture and Politics in Indonesia (IND271)

Credit Points: 4

MURDOCH: S2-internal, S2-external

This unit examines the dramatic changes which have taken place in Indonesia since 1965, with particular emphasis on recent decades. It focuses on the relationship between media, contemporary culture and political and social change, exploring popular music, contemporary literature, print, electronic, and 'new' media. We discuss the forces which shape contemporary Indonesian media, culture and politics, such as ethnicity, gender and class, in the context of the interaction between elite-dominated 'national culture' and the practices of other classes.

Lectures: 1.5 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil. No knowledge of Indonesian language is required.

### Media, Culture and Politics in Indonesia (IND371)

*As for IND271 except:*

Credit Points: 3

Not available this year

### Mediated Politics (POL231)

Credit Points: 3

Not available this year

Our experience of formal politics is almost always as represented in the media. We see the outcome of the interaction between the politicians' desire to be represented in a particular way and the nature of the media through which they are represented. We focus on these two aspects of the mediation of politics. We consider the mediating effects of primitive media (coins, portraits and pamphlets), traditional media (television, newspapers and radio) and the new media (smartphones, blogs and social media).

Lectures and tutorials

Prerequisites: Nil.

### Mediation (LAW307)

Credit Points: 4

MURDOCH: SP18-internal (quota of 50 places)

Introduction to the knowledge and skills associated with mediation as it is practised in Australia including family law, commercial disputes, neighbourhood disputes and through court referrals. Examine the framework governing the practice of mediation and issues associated with its use such as privacy and confidentiality, power imbalances, mediator training and competency and the enforceability of mediated agreements. Develop communication and other skills necessary for participating in mediations, whether as a party, a representative of a party or as a mediator.

Taught intensively over one week: refer to timetable for details.

Prerequisites: Successful completion of BJU100/LAW150 Australian Legal System, LLB152 Torts, LLB130 Criminal Law and Procedure, and LLB120 Legal Writing for Lawyers

Students taking the unit at the advanced level will be required to demonstrate an ability to work on topics that require more independent thinking and advanced research or analytical skills.

This unit is subject to quota. Quota is due to simulation exercises which are best practised in small classes. No admission requirements; students will be accepted until the quota is full.

**Mediation (LEG307)****As for LAW307 except:**

Credit Points: 4

MURDOCH: SP18-internal (quota of 50 places)

Taught intensively over one week: refer to timetable for details.

Prerequisites: Successful completion of LEG150 Introduction to Legal Studies, LEG100 Law, Justice and Social Policy, LEG120 Legal Research, LEG153 Introduction to Administrative Law or LEG253 Power, Government and Legal Accountability and a Foundation or Transition unit.

Students taking the unit at the advanced level will be required to demonstrate an ability to work on topics that require more independent thinking and advanced research or analytical skills.

This unit is subject to quota. Quota is due to simulation exercises which are best practised in small classes. No admission requirements; students will be accepted until the quota is full.

**Mediation (LEG397)****As for LAW307 except:**

Credit Points: 3

Not available this year

Prerequisites: LEG150 Australian Legal System or LEG100 Law, Justice and Social Policy.

Exclusions: Students who have successfully completed LEG207/LAW307 Mediation may not enrol in this unit for credit.

This unit is not subject to quota.

**Mediation (LLB397)****As for LAW307 except:**

Credit Points: 3

Not available this year

Prerequisites: Enrolment in the Graduate Certificate in Dispute Resolution OR LAW152 Torts, LAW130 Criminal Law and Procedures, and LAW260 Contract.

Exclusions: Students who have completed LAW307/LEG307 may not enrol in this unit for credit.

This unit is not subject to quota.

**Medical Microbiology (BMS212)**

Credit Points: 3

MURDOCH: S1-internal

Basic knowledge and practical skills in microbiology relating to human and comparative animal infections, including sections on viruses, bacteria, mycoplasma, rickettsia, chlamydia and fungi. Virology: introduction to classification of viruses, a description of structure, mode of replication, and discussion of selected human and zoonotic virus infections. Bacteriology: introduction to general features of pathogenic bacteria including structure, metabolism, genetics, culture and identification, with emphasis on mechanisms by which they cause disease and the principles of diagnosis and control.

Lectures: 3 hours per week; practicals: 3 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed BMS203 Comparative and Human Microbiology may not enrol in this unit for credit.

For the purpose of progression in Biomedical Science, this unit is

considered essential and not equivalent to BIO263/BIO246 Microbiology 1. It incorporates a significant virology component that is not contained in BIO263/BIO246. This unit is considered an important requisite for BMS360/BMS314 Mechanisms of Disease and BMS368/BMS315 Advances in Medical Science and for all Biomedical Science graduates.

**Medication Management for Nursing (NUR256)**

Credit Points: 4

PEEL: S1N-internal

This unit will introduce students to the quality use of medications in healthcare, with particular emphasis on the nurse's role in safe administration, legal and ethical issues related to medication administration and documentation and patient education. Major drug classes and the pharmacokinetics of these following a patho-physiological framework will be presented. Simulated clinical applications and skills will be addressed, including calculation of dosages.

Lectures: 1 hour per week; tutorials: 2 hours per week.

Prerequisites: Completion of all Part I Core BNursing units. Co-requisite: NUR203 Medical and Surgical Nursing I.

Exclusions: Students who have successfully completed NUR201 Fundamentals of Pathophysiology and Pharmacology I, NUR202 Fundamentals of Pathophysiology and Pharmacology II and NUR205 Medical and Surgical Nursing II may not enrol in this unit for credit. Students who have only successfully completed some of these units should contact the Academic Chair.

**Medicine 1 (VET625)**

Credit Points: 3

MURDOCH: S1-external (quota of 30 places)

This unit considers endocrinology, urinary tract diseases and medical neurology. The principle objective is for students to gain a deeper understanding of the pathophysiology associated with diseases of these organ systems and to use this knowledge to improve both diagnostic and treatment skills.

Prerequisites: Enrolment in the Master of Veterinary Studies (Small Animal Practice) (M1022), the Postgraduate Certificate in Veterinary Studies in Small Animal Practice (C1074), the Master of Veterinary Clinical Studies (M1223), the Doctor of Veterinary Medical Science (D1061) or permission of the Academic Chair.

This unit is subject to quota. Quota is due to limited resources. Students must be enrolled in the College of Veterinary Medicine's postgraduate or graduate courses.

**Medicine 2 (VET626)**

Credit Points: 3

MURDOCH: S2-external (quota of 30 places)

This unit incorporates the basic investigative techniques and pathophysiology of diseases of the respiratory and cardiovascular systems. Each body system is covered individually with a problem-oriented approach and common diseases are discussed in more depth. The more controversial topics and new treatment strategies available will also be highlighted and discussed. The main objective is to expand the base of knowledge required to accurately diagnose and treat commonly encountered problems in these body systems in general practice.

External.

Prerequisites: Enrolment in the Master of Veterinary Studies (Small Animal Practice) (M1022), or the Graduate Certificate in Veterinary Studies in Small Animal Practice (C1074) the Master of Veterinary Clinical Studies (M1223), the Doctor of Veterinary Medical Science

(D1061) or permission of the Academic Chair

This unit is subject to quota. Quota is due to workload resource limitations. Students must be enrolled in the College of Veterinary Medicine's postgraduate or graduate courses.

### Medicine 3 (VET609)

Credit Points: 3

Not available this year

This unit teaches advanced concepts in small animal neurology and gastroenterology. The principle objective is for students to gain a deeper understanding of the pathophysiology associated with diseases of these organ systems and to use this knowledge to improve both diagnostic and treatment skills.

Prerequisites: Enrolment in Master of Veterinary Studies (Small Animal Practice) (M1022), the Graduate Certificate in Veterinary Studies in Small Animal Practice (C1074), the Master of Veterinary Clinical Studies (M1223), the Doctor of Veterinary Medical Science (D1061) or permission of the Academic Chair.

Exclusions: Students who have successfully completed VET625 Medicine 1 and VET626 Medicine 2 prior to 2014 may not enrol in this unit for credit.

### Mental Health Issues In Chiropractic Care (CHI488)

Credit Points: 2

MURDOCH: T3-internal

This unit will explore the range of normal and abnormal psychological syndromes that are commonly presented in chiropractic practice. Students will learn to identify psychological syndromes with emphasis on information gathering, effective communication and the importance of appropriate referral. Evidence based treatments for the major problems will be explored.

Lectures: 2 hours per week.

Prerequisites: Completion of BSc (Chiro).

### Mental Health Issues in Chiropractic Care and Pharmacology (CHI466)

Credit Points: 3

Not available this year

### Mentoring (EDN571)

Credit Points: 3

MURDOCH: SP3-internal

This unit explores conceptual issues and practical matters surrounding mentoring in various educational, community and workplace settings as a strategy relevant to all ages. Topics include: the concept of mentoring and assumptions underlying it; different models of mentoring and applications; essential elements of effective mentoring relationships and features of effective mentoring programs. Participants can focus on areas of interest: developing or implementing a mentoring program; enhancing knowledge and skills as a mentor; building partnerships in their community or workplace.

This unit is taught as a one-week intensive unit of 30 contact hours of lectures and workshops with self directed activities prior to and following the on-campus workshops.

Readings and Self-Directed Study: 120 hours over the teaching period.

Prerequisites: Enrolment in a Graduate qualification or permission of the Unit Coordinator.

Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

### Mentoring (EDU671)

As for EDN571 except:

Credit Points: 4

DUBAI-ISC: TMD-internal

Seminars: 2.5 hours per week.

Prerequisites: Enrolment in a Graduate qualification or permission of the Unit Coordinator.

### Metabolic Rehabilitation (EXS403)

As for EXS551 except:

Credit Points: 3

Not available this year

Lectures: 2 hours per week; workshops: 2 hours per week.

Since this is a final-year clinical unit, there is a significant time allocation to self-directed learning and pre-readings.

Prerequisites: CHI227/EXS227 Exercise Physiology, CHI208/EXS208 Health, Fitness and Performance Assessment, CHI318/EXS318 Exercise Programming and Prescription or EXS302 Exercise Physiology II or EXS203 Health, Fitness and Performance Assessment or EXS303 Exercise, Programming and Prescription

Exclusions: Student who have successfully completed CHI551/EXS551 Metabolic Rehabilitation may not enrol in this unit for credit.

### Metabolic Rehabilitation (EXS551)

Credit Points: 2

MURDOCH: T3-internal

This unit will provide the student with an advanced understanding of metabolic assessment and metabolic rehabilitation techniques. The student will be provided advanced information concerning a metabolic disease and conditions that limit physical function. The learner will be provided with the necessary skills to devise a rehabilitation program for a range of individuals with metabolic disorders. This unit will cover the underpinning molecular alterations occurring in metabolic disease, treatment strategies including, lifestyle and pharmacological intervention as well as prevention strategies.

Lectures: 2 hours; laboratories/workshops: 2 hours.

Prerequisites: CHI227/EXS227 Exercise Physiology, CHI208/EXS208 Health, Fitness and Performance Assessment, CHI318/EXS318 Exercise Programming and Prescription or EXS302 Exercise Physiology II or EXS203 Health, Fitness and Performance Assessment or EXS303 Exercise, Programming and Prescription

Exclusions: Students who have successfully completed CHI551 Metabolic Rehabilitation may not enrol in this unit for credit.

### Metallurgical Unit Operations (ENG524)

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit incorporates aspects of process principles, mass/energy balance, fluid mechanics, momentum, mass and heat transfer to prepare students to study the units Advanced Mineral Processing, Extractive Metallurgy I and Extractive Metallurgy II. The unit addresses the main principles of unit operations which form the

basis for mineral processing and extractive metallurgical plants. Focus: mass and energy balances, basic fluid mechanics and key aspects of mass, energy and momentum transfer of fluids and slurries relevant to the above industries.

Lectures/tutorials: 4 hours per week.

Prerequisites: Enrolment in G1034 Graduate Diploma in Extractive Metallurgy.

Exclusions: EXM224 Principles of Unit Operations.

### Microbiology I (BIO246)

Credit Points: 3

MURDOCH: S1-internal

The unit provides an introduction to the biology of bacteria, viruses, and fungi with a strong emphasis on developing practical microbiology skills in the laboratory. The interaction of micro-organisms with the environment, human beings, plant and animals is a major focus of this unit. Topics: microbial morphology, taxonomy, culture and growth and genetics; microbes as saprophytes; soil microbiology; microbes as symbionts and as parasites; microbes and human disease; public health and epidemiology; applied microbiology (biological control, food production, antibiotics).

Lectures: 3 x 1 hour per week; laboratories: 4 hours per week.

Prerequisites: BIO152 Foundations of Cell and Molecular Biology.

Exclusions: Students who have successfully completed BIO263 Microbiology can not enrol in this unit for credit.

### Microbiology II (BIO364)

Credit Points: 4

MURDOCH: S1-internal

An advanced unit in microbiology with emphasis on molecular microbiology and microbial biotechnology. Students will gain understanding of diversity, interactions, ecology, and applications of micro-organisms in biomedical, agricultural and environmental biotechnology. Students will develop skills in practical research, critical review and communication. Topics include microbial diversity and metabolism; role of adhesion and biofilms in microbial communities and pathogenicity; microbial genomics; molecular responses to the environment; molecular communication between micro-organisms, plants and animals; Archaea, microbial biotechnology and microbial ecology.

Lectures/ workshops: one 2-hour session per week; laboratories: 4 hours per week.

Prerequisites: BIO263/BIO246 Microbiology I or BMS361 Medical Microbiology or ANS351 Animal Microbiology or BMS203 Comparative and Human Microbiology.

### Microeconomics A (BUS261)

Credit Points: 4

KAPLAN-SGP: TMA-internal

This unit provides knowledge and understanding in intermediate level microeconomics. Topics covered include the neoclassical theories of choice and supply, the models of perfect competition, monopoly and oligopoly, and general equilibrium analysis is introduced. The efficiency properties of a competitive general equilibrium are also considered. Applications of theory are considered throughout the unit.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: BUS161 Introduction to Economics or BUS171 Foundations of Economics

### Microeconomics A (BUS291)

*As for BUS261 except:*

Credit Points: 3

MURDOCH: S1-internal, S1-external

Lectures: 2 hours per week; tutorials: 1 hour per week

Prerequisites: BUS161 Introduction to Economics or BUS171 Foundations of Economics

Exclusions: students who have successfully completed BUS261 Microeconomics A may not enrol in this unit for credit.

### Microeconomics B (BUS318)

*As for BUS361 except:*

Credit Points: 3

Not available this year

Prerequisites: BUS261/BUS291 Microeconomics A

Exclusions: students who have completed BUS161 may not enrol in this unit for credit

### Microeconomics B (BUS361)

Credit Points: 4

MURDOCH: S2-internal, S2-external

KAPLAN-SGP: TMA-internal

Review the methods used in advanced microeconomics to analyse decision making. Students are introduced to: property rights and agency problems in business, the location decision of business and the economics of spatial networks, the modern economic analysis of market failures due to adverse selection and moral hazard. Students are equipped with an understanding of the recent exciting advances that economics has made in the analysis of decision making when information is both complete and incomplete.

Seminars: 1 x 3 hours per week.

Prerequisites: BUS261 Microeconomics A.

### Migration Law in Practice (LLM555)

Credit Points: 3

MURDOCH: AU11-internal, SP17-internal

This unit builds on the knowledge acquired in previous courses within the program by focusing on the practical skills needed by migration agents to conduct an effective and successful migration practice. These skills include information retrieval, research, consultancy, advocacy, communication and personal and professional development. This unit aims to equip students with the skills needed to work as a registered migration agent in professional practice contexts.

Taught intensively over two weeks; refer to timetable or information on the School of Law website for details. Due to the nature of the offering of this unit, students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

Timetabled Activities: 28 hours intensively over the duration of the course. Reading/Self directed study: 112 hours intensively over the duration of the course. Assessment: 18 hours over the duration of the course.

Prerequisites: Enrolment in the Graduate Certificate in Australian Migration Law and Practice; LLM502/LLB502 Australian Migration Law, LLM503/LLB503 Australian Visa System AND LLM504/LLB504 Visa Compliance, Cancellation and Review.

**Mineral Processing I (ENG328)***As for EXM301 except:*

Credit Points: 3

Not available this year

**Mineral Processing I (EXM301)**

Credit Points: 4

MURDOCH: S1-internal, S1-external

This unit deals with aspects of sampling, particle characterisation, comminution and classification, physical processes of mineral concentration involving dense media and gravity separation, magnetic and electrostatic separation and ore sorting techniques. Froth flotation of minerals, coagulation, flocculation, agglomeration, dewatering of concentrates and tailings disposal are covered.

Lectures: 3 hours per week; workshops/laboratories: up to 4 hours per week.

External: Internet access and compulsory 5-day on-campus laboratory/workshop sessions. Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

Prerequisites: ENG205 Process Mineralogy or CHE256/EXM256 Process Mineralogy, and ENG224/EXM224 Principles of Unit Operations.

**Mineral Processing II (ENG329)***As for ENG330 except:*

Credit Points: 3

Not available this year

**Mineral Processing II (ENG330)**

Credit Points: 4

MURDOCH: S2-internal, S2-external

Pyrometallurgical processes such as roasting, smelting and refining are examined through consideration of: thermodynamics and kinetics of interactions which occur among individual phases (i.e. gases, solids, metals, mattes and slag), fluid dynamics, heat-transfer and mass transfer characteristics, different reactors and techniques used to carry out these processes. Reference to industrial practice for production of materials such as copper, nickel, zinc, lead, gold, aluminium, tin, silicon, iron and steel will be made.

Lectures: 3 hours per week; workshops/laboratories: up to 4 hours per week.

External: Internet access and compulsory 5-day on-campus laboratory/workshop sessions; field trip: 5 days, usually during a non-teaching period (students may be required to contribute towards expenses). Students with suitable work experience may be exempted from the field trip component. Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

Prerequisites: Students need to have completed ENG202 Engineering Thermodynamics or PEC201/CHE201 Thermodynamics; ENG205 Applied Mineralogy or EXM256 Process Mineralogy; and either ENG224/EXM224 Principles of Unit Operations or both ENG201 Fluid Mechanics and ENG203 Heat and Mass Transfer, prior to enrolling in this unit.

Exclusions: Students who have successfully completed the unit EXM302 Advanced Mineral Processing may not enrol in this unit for credit.

**Mineralogy for Metallurgists (ENG565)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit draws upon principles of structural and chemical crystallography, and phase chemistry to develop a systematic study of minerals and materials as an introduction to process mineralogy. The mineralogy of the principal ores is illustrated and discussed. Practical work provides opportunities to develop skills in the techniques of mineral identification and analysis, information access and communication. Mineralogy plays an increasingly important role in extractive metallurgy as the ores mined today become more complex and of lower grade than in the past.

Lectures: 3 hours per week.

Prerequisites: Enrolment in G1034 Graduate Diploma in Extractive Metallurgy.

Exclusions: Students who have completed EXM556/EXM256/CHE256 Process Mineralogy or ENG205 Applied Mineralogy are not eligible to enrol in this unit for credit.

**Mining and Natural Resources Law (LAW335)**

Credit Points: 4

MURDOCH: S1-internal

This unit surveys the legal regimes that govern the allocation, management, and conservation of natural resources in Australia, with a particular focus on Western Australia. It examines the ownership and allocation of rights and interests in minerals and petroleum, as well as conservation and native title laws and their impact on resource projects. The unit also reviews legal regimes governing the management and conservation of water resources.

Lectures: 3 hours per week.

Prerequisites: LEG120 (prior to 2012)/LAW120 Research and Writing, LEG150 (prior to 2011)/LAW150 Australian Legal System, LAW152 Torts, LAW130 Criminal Law and Procedure, LAW260 Contract, LAW258 Australian Administrative Law, LAW259 Constitutional Law and LAW252 Evidence.

**Mining and Natural Resources Law (LLB335)***As for LAW335 except:*

Credit Points: 3

Not available this year

Prerequisites: LEG120 (prior to 2012)/LAW120 Research and Writing, LEG150 (prior to 2011)/LAW150 Australian Legal System, LAW152 Torts, LAW130 Criminal Law and Procedure, LAW260 Contract, LAW258 Australian Administrative Law, LAW259 Constitutional Law and LAW252 Evidence.

Exclusions: students who have completed LAW335 may not enrol in this unit for credit.

**Mining, Communities and Sustainability (COD505)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

Increasingly the resource industry is investing time, business interest, sponsorship and staff to build their social license to operate. This unit is designed to provide an understanding of the range of business drivers that have led to resource industry involvement in community and sustainable development. It will introduce students to the emerging fields of community relations, community sponsorship, Indigenous affairs and sustainability.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Enrolment in graduate course of study.

### Missiology (THE616)

Credit Points: 3

MURDOCH: S2-internal, S2-external

The unit examines the theory and practice of mission.

Seminars: 2 hours per week

Prerequisites: Enrolment in graduate level study.

### Mobile App and Interaction Design (IDD379)

Credit Points: 3

Not available this year

This unit explores the theory and practice of interaction, interface and information design particularly in relation to interaction mediums such as the web, screen devices and games. A range of interaction design methods will be explored such as user experience design, goals centred design, prototyping, usability testing, information architecture and interface design.

Prerequisites: Nil.

Exclusions: Students who have successfully completed IDD379 Interaction Design may not enrol in this unit for credit.

### Mobile Application Development (ICT376)

Credit Points: 3

Not available this year

This unit focuses on mobile application development using mobile development techniques and environments. Topics covered include app life cycle; small device programming; platform architecture including Google Android, Apple iOS, and Microsoft Windows Phone; web applications for mobile; cross platform development.

Prerequisites: Nil.

### Modelling and Simulation (MAS354)

*As for MAS375 except:*

Credit Points: 3

Not available this year

Lectures/tutorials/laboratories: 4 hours per week.

### Modelling and Simulation (MAS375)

Credit Points: 4

MURDOCH: S2-internal, S2-external

This unit develops skills in mathematical modelling and simulation of various dynamical systems (taken from mechanical, thermal, process, biological, biomedical, economic, financial, stochastic and discrete event systems) and introduces control systems. Possible applications include vehicle vibrations, central heating, fisheries, epidemics, drug infusion, traffic and stock price models. Central to the unit is the practical use of the computer packages MATLAB and Simulink for the numerical solution and simulation of the systems.

Lectures/tutorials/laboratories: 4 hours per week.

Prerequisites: MAS161 Calculus and Matrix Algebra or MAS208 Mathematical Modelling or both MAS167 Computational Mathematics and MAS182 Applied Mathematics.

Exclusions: Students may not enrol in this unit and either of MAS164 Fundamentals of Mathematics or MAS182 Applied Mathematics concurrently.

### Modern China (AST283)

Credit Points: 3

Not available this year

This unit introduces students to China's geography, history, culture, society and politics, with a focus on contemporary China. It offers an introduction to China's land and resources and the transition from its imperial history to Communism and China's economic reform era. Students will learn about China's political system, the relation between state and society, as well as its traditional and popular culture. We will also address the question how China is trying to reconcile economic progress with protecting the environment.

Lectures: 2 hours; tutorials: 1 hour.

Prerequisites: Nil.

Exclusions: Students who have successfully completed BUS241 Contemporary China may not enrol in this unit for credit.

### Modern Japanese History (HIS310)

Credit Points: 3

Not available this year

In this unit we analyse the critical social, political and economic changes in Japan from the 1850s through to the post-war period. Themes include crisis of the old society; process of 'modernisation from above' and its social costs; nature of Japanese imperialism; critics of the Japanese state and their fate; emergence of a modern culture in the 1920s; transition to the authoritarianism of the 1930s; the home-front during World War II; and the experience of post-war occupation.

Lectures/tutorials: 1 x 2.5 hours per week.

Exclusions: Students who have successfully completed HIS210 Modern Japanese History may not enrol in this unit for credit.

### Modern Physics (PEN231)

Credit Points: 3

MURDOCH: S1-internal, S1-external

The aim of this unit is to study the basis of modern physics. Topics: special relativity wave mechanics, introductory quantum theory including one and three dimensional systems, matter as particles and waves, basic quantum theory for one and three dimensional systems, the hydrogen atom, atomic structure and chemical bonding. Students will be required to complete experimental projects during the unit.

Lectures: 1 x 2 hours per week; workshops: 1 x 2 hours per week.

External students: no attendance requirement.

Prerequisites: MAS161 Calculus and Matrix Algebra and PEC152/PEN152 Principles of Physics.

### Molecular Biology (BIO282)

Credit Points: 3

MURDOCH: S1-internal

We examine the fundamental processes that occur in living cells, and how DNA works to control various processes such as DNA replication and cell division. We examine how genes work and what happens when they fail, and how new genetic material is created and species evolve at the DNA level. The laboratory component consists of sessions in which students learn how to carry out experiments, and present experimental results. Students also learn how to analyse information contained in DNA sequences.

Lectures: 3 hours per week; Prelabs: 6 x 1 hour; laboratories: 6 x 3 hours; workshops: 1 x 2 hours.

Prerequisites: BIO152 Fundamentals of Cell and Molecular Biology

Exclusions: Students who have successfully completed BIO212 Genetic Engineering or BIO316 Molecular Genetics may not enrol in this unit for credit.

### Molecular Design (CHE349)

Credit Points: 4

MURDOCH: S2-internal, S2-external

This unit extends on concepts introduced in CHE/PEC238 Organic Structures and Reactivity in the contexts of organic synthesis and biosynthesis. Stereochemistry and structure elucidation of organic compounds will be covered at a more advanced level. The subject material will be of interest to students in disciplines where an understanding of organic compounds is important. Such disciplines include: chemistry, molecular biology, biomedical sciences, pharmacy and drug discovery, environmental science, nanoscience and forensics.

Lectures/tutorials: 1 x 1 hour per week and 1 x 2 hour per week; laboratories: 1 x 4 hours per week for up to 10 weeks. External: compulsory 5 day on-campus laboratory session.

Prerequisites: CHE/PEC238 Organic Structures and Reactivity.

Exclusions: Students who have successfully completed PEC349 Biomolecular Design may not enrol in this unit for credit.

External: compulsory 5 day on-campus laboratory session. Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to commencement of the offering.

### Molecular Genetics (BIO316)

Credit Points: 4

MURDOCH: S1-internal

In this unit we examine at an advanced level how the genetic material controls various activities in bacterial, plant and animal cells. Topics in the lecture component include DNA replication; DNA recombination; regulation of gene expression; molecular mechanisms of development, stress tolerance and signal transduction; mutation and DNA repair. The laboratory component consists of a research project where students have an opportunity to plan and execute a research problem. In the bioinformatics component students learn exploiting information from DNA databases.

Lectures: 3 hours per week; laboratories: a project requiring full-time attendance during a non-teaching week; workshops: 1 hour per week in 9 weeks.

Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

Prerequisites: BIO212/BIO248 Genetic Engineering or ANS252 Animal Molecular Biology

Exclusions: Students who have successfully completed BIO202 may not enrol in this unit for credit.

Laboratory attendance is required in one of the non-teaching weeks.

### Moot Court Bench (LAW314)

Credit Points: 4

MURDOCH: H-internal (quota of 14 places), Y-internal (quota of 14 places)

The Moot Court Bench is responsible for strengthening and developing the mooting culture at the Law School. Fourteen students are selected for the Bench at any one time. Those selected are involved in a range of mooting related activities, including co-ordinating advocacy competitions, running moot seminars, writing moot problems, and producing mooting resources for students. Students selected for the Moot Court Bench also participate in an advanced program of advocacy training and a series of Coffee Hour seminars.

Meetings as required.

Prerequisites: LEG120 (prior to 2012)/LAW120 Research and Writing, LEG150 (prior to 2011)/LAW150 Australian Legal System, LAW152 Torts, LAW130 Criminal Law and Procedure, LAW260 Contract, plus permission of Unit Coordinator.

This unit is subject to quota. Quota is due to limited resources. Selection is based on: Academic record and standing; Demonstrated speaking, debating and mooting ability.

### Moot Court Bench (LLB314)

*As for LAW314 except:*

Credit Points: 3

Not available this year

Prerequisites: LEG120 (prior to 2012)/LAW120 Research and Writing, LEG150 (prior to 2011)/LAW150 Australian Legal System, LAW152 Torts, LAW130 Criminal Law and Procedure, LAW260 Contract, plus permission of Unit Coordinator.

Exclusions: students who have completed LAW314 Moot Court Bench may not enrol in this unit for credit.

This unit is not subject to quota.

### Moral and Political Philosophy (PHL206)

Credit Points: 3

Not available this year

Controversies about right and wrong, justice and injustice are rife in democratic societies. Enormous economic and social change, exponential advancement in technology, unprecedented freedom of choice amid increasing inequalities create pressing concerns about how to make the most of our own lives and how we can best live together with other people, locally and globally. This unit explores philosophical responses to these issues in light of different understandings of ethical and political values, the good life, justice and virtue.

Lectures: 1 hour per week; tutorials: 1.5 hours per week

Prerequisites: Nil.

### Multimedia Client Project (MCC338)

Credit Points: 4

MURDOCH: S1-internal

This unit provides students with experience in working with real world clients towards the production of a website. Students participate in group-based production, project management methods and advanced web design and development.

Online lecture; media laboratories: 2 hours per week.

Prerequisites: MCC218 Web Games Design and Production (or MCC218 Interactive Multimedia II); MCC263 Web Design OR



MCC251 Interactive Multimedia (or MUL217 Interactive Multimedia I).

Exclusions: Students who have successfully completed MUL338 Advanced Multimedia Workshop may not enrol in this unit for credit.

### Multimedia Studio (MCC339)

Credit Points: 4

MURDOCH: S2-internal

This unit provides an opportunity for students to produce an industry-level multimedia project as well as develop a professional online and offline portfolio showcasing their project work along with their larger body of work developed throughout their degree.

Online lectures; media laboratories: 3 hours per week.

Prerequisites: MCC218 Web Games Design and Production (or MCC218 Interactive Multimedia II).

Highly recommended: MCC338 Multimedia Client Project (or MUL338 Advanced Multimedia Workshop).

Exclusions: Students who have successfully completed MUL339 Multimedia Project may not enrol in this unit for credit.

### Music Technology (SOU268)

Credit Points: 3

MURDOCH: S1-internal (quota of 60 places)

A practical opportunity to develop music technology skills that can be applied in creative media, multimedia, screen and sound production. Topics include sampling, synthesis, loop-based composition, mixing and remixing. Historical and technological developments will be viewed along with the influence of pioneering artists and their work. Combining analysis and hands-on content creation, the emphasis is on creative skills and familiarity with the tools to create audio and musical content for various media.

Seminars: 1 hour per week, cover theoretical principles behind music technologies and socio-historical background; workshops: 1.5 hours per week, facilitate the development of music technology skills.

Online tutorial content.

Prerequisites: SOU101 Introduction to Audio Production or SOU214 Sound Production.

Exclusions: Students who have successfully completed MCC268 Music Technology may not enrol in this unit.

This unit is subject to quota. Quota is due to space and equipment constraints and the production intensity Preference will be given to students enrolled in a Sound major.

### Mysteries, Magic, and Myths (REL205)

Credit Points: 3

MURDOCH: S1-internal, S1-external

The ancient Mediterranean teemed with religious practices quite foreign to modern societies. Rulers were worshipped as gods; occult rituals promised immortality; philosophers claimed to be incarnate deities; magic was employed daily. This unit explores the various ways ancient Greeks and Romans interacted with the divine, including magic, gnostic speculation, mystery religions, visionary journeys, oracles, and more. We will study not only these religious phenomena, but also the ancients' own critical reflections on what they were doing.

Lectures: 2 hours per week.

Prerequisites: Nil.

### Nations, Narratives, Cultures in Contemporary Asia (AST530)

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit utilises narrative and biography/life writing to explore knowledge, culture, identity and nation in contemporary Asia. A range of narrative texts 'produced' in the Asian region will be read in conjunction with texts of a theoretical/critical nature and texts providing historical, social and political context.

Lectures/seminars: 2 hours per week.

Prerequisites: Enrolment in a graduate-level (AQF level 8 or AQF level 9) Asian Studies course or permission of the Unit Coordinator.

### Native Title Law (LAW305)

Credit Points: 4

MURDOCH: S2-internal

This unit will include a comprehensive examination of native title law in Australia, including the precursors to the recognition of native title in Australia, the first formal recognition of native title in Mabo, the legislative response to native title, the Native Title Act 1993 (Cth), and the continuing development of the Native Title Act and case law.

This unit will run for five full days during Semester 2 on the following days:

7 & 8 August - Lectures

5 September - Workshop

2 & 3 October - Lectures

31 October - Lecture & Review

Prerequisites: LEG120 (prior to 2012)/LAW120 Research and Writing, LEG150 (prior to 2011)/LAW150 Australian Legal System, LAW152 Torts, LAW130 Criminal Law and Procedure, LAW260 Contract.

### Native Title Law (LLB305)

**As for LAW305 except:**

Credit Points: 3

Not available this year

Prerequisites: LEG120 (prior to 2012)/LAW120 Research and Writing, LEG150 (prior to 2011)/LAW150 Australian Legal System, LAW152 Torts, LAW130 Criminal Law and Procedure, LAW260 Contract.

Exclusions: students who have completed LAW305 Native Title Law may not enrol in this unit for credit.

### Nature-Based Tourism (ENV278)

Credit Points: 3

MURDOCH: S1-internal, S1-external

Nature-based tourism relies on the natural environment. The importance of ecology for maintaining the natural environment on which nature-based tourism depends is overviewed. Planning frameworks for sustainable nature-based tourism, such as the Limits of Acceptable Change and the Tourism Optimisation Management Model, are explored. This exploration is linked to gaining an appreciation of the impacts of nature-based tourism and how these can be managed.

Lectures: 2 hours per week; tutorials: 1 hour per week for 8 weeks.

Field trips: 2 x 5 hours. One field trip to Yanchep National Park to understand the ecology, impacts, planning and management of nature-based tourism (5 hours).

Prerequisites: Nil.

Exclusions: Students who have successfully completed ENV279 Nature-Based Tourism may not enrol in this unit for credit.

### **Negotiation (LEG398)**

*As for LLB398 except:*

Credit Points: 3

Not available this year

Prerequisites: LEG100 Law, Justice and Social Policy or LEG150 Australian Legal System.

Exclusions: Students who have enrolled in LAW308/LLB398/LEG308/LEG208 Negotiation may not enrol in this unit for credit.

### **Negotiation (LLB398)**

Credit Points: 3

Not available this year

This unit examines the legal framework surrounding negotiation in both adversarial and transactional contexts and helps students develop negotiation skills. Students will learn how to prepare for negotiations, how to negotiate, and how to evaluate a completed negotiation. Students will develop their skills through roleplaying, simulations, and reflection.

Lectures and workshops: 3 hours per week.

Prerequisites: Enrolment in the Graduate Certificate in Dispute Resolution OR LAW152 Torts, LAW130 Criminal Law and Procedures, and LAW260 Contract.

Exclusions: Students who have enrolled in LAW308/LAW208/LEG308/LEG208 Negotiation may not enrol in this unit for credit.

Students taking the unit at the advanced level will be required to demonstrate an ability to work on topics that require more independent thinking and advanced research or analytical skills.

### **Network Design and Implementation (ICT291)**

Credit Points: 3

MURDOCH: S1-internal

This unit aims to extend a student's introductory data-communications knowledge to include technologies associated with enterprise networks such as redundancy, dynamic routing and access-control-list based security. There is a particular focus on LAN design and Ethernet switching concepts. These are explored at an advanced level. Laboratories begin with an introduction to the Cisco IOS operating system and focus on the practical implementation of network designs using commercial networking equipment and simulators.

Lectures: 1 x 2 hours per week; laboratories: 1 x 2 hours per week.

Prerequisites: ICT169 Foundations of Data Communication OR ICT103 Introduction to Data Communications.

Exclusions: ICT363 Network Switching.

### **Network Governance (SWM622)**

Credit Points: 3

MURDOCH: S1-internal

Network Governance addresses the roles and practices of network organisation at global, regional, national and local levels. It covers concepts such as iron triangles, transnational advocacy networks and policy communities, alongside methods or approaches like

Social Network Analysis and Actor-Network Theory. Seminars investigate how public and private networks are central to policy making and delivery in both OECD as well as development contexts generating new practical challenges of network accountability, leadership and management.

Seminars and workshops are delivered in intensive teaching mode (24 hours contact time), which may include evenings and weekends. Students will then complete research assignments independently, in consultation with teaching staff. Please note that timetabled activities will be 4 hours per week over 6 weeks.

Prerequisites: Enrolment in a Master of Public Policy and Management, Master of Development Studies OR Master of International Affairs.

### **Network Security (ICT362)**

Credit Points: 4

MURDOCH: S1-internal

The unit examines current security threats to organisations and the necessary security processes required to mitigate these threats. Topics covered include: security policy design and management; security technologies, products and solutions, firewall and secure router design, installation, configuration and maintenance; AAA implementation using routers and firewalls; and virtual private networks.

Lectures: 1 x 2 hours per week; tutorials: 1 x 2 hours per week.

Prerequisites: ICT120 Principles of Data Communications OR ICT291 Network Design and Implementation.

### **Network Security (ICT377)**

Credit Points: 3

Not available this year

The unit examines current security threats to organisations and the necessary security processes required to mitigate these threats. Topics covered include: security policy design and management; security technologies, products and solutions, firewall and secure router design, installation, configuration and maintenance; AAA implementation using routers and firewalls; and virtual private networks.

Prerequisites: ICT120 Principles of Data Communications OR ICT291 Network Design and Implementation.

Exclusions: ICT362 Network Security.

### **Network Switching (ICT363)**

Credit Points: 4

MURDOCH: S1-internal

This unit focuses on Local Area Network design and wired connectivity to end user devices at the edge of the Internet. Multilayer Ethernet switches are examined from the perspective of design, management and redundancy. Topics include VLANs, Inter VLAN routing, 802.1Q trunking, Spanning Tree Protocol, network security, quality of service and scalable design. Where appropriate, topics in this unit are aligned with the Industry certification exam, CCNP - SWITCH.

Lectures: 1 x 2 hours per week; tutorials: 1 x 2 hours per week.

Prerequisites: ICT120 Principles of Data Communications.

Exclusions: ICT291 Network Design and Implementation.

This unit forms part of the Cisco Certified Network Professional (CCNP) certification program.

**Network Switching (ICT609)**

Credit Points: 3

MURDOCH: S1-internal

This unit focuses on Local Area Network design and wired connectivity to end user devices at the edge of the Internet. Multilayer Ethernet switches are examined from the perspective of design, management and redundancy. Topics include VLANs, Inter VLAN routing, 802.1Q trunking, Spanning Tree Protocol, network security, quality of service and scalable design. Where appropriate, topics in this unit are aligned with the Industry certification exam, CCNP - SWITCH.

Workshops: 1 x 3 hours per week.

Prerequisites: ICT535 Advanced Business Data Communications; enrolment in a graduate IT course or permission of the Academic Chair.

Exclusions: Students who have completed ICT663 Network Switching may not enrol in this unit for credit.

**Networking Group Project (ICT623)**

Credit Points: 6

MURDOCH: S1-internal, S2-internal

Students will work in teams to undertake a real-world information technology project, applying skills and knowledge developed in their degree. Teams will analyse project requirements, evaluate and justify design decisions, and produce a substantial artefact. Project management, and communication with clients and other stakeholders will be emphasised. Projects can be initiated from industry needs, University needs, or proposed by the student in consultation with a discipline academic. The project culminates with a public presentation of the project deliverables.

Workshops: 1 x 3 hours per week.

Prerequisites: ICT508 Information Technology Project Management and ICT521 IT Professional Practice, and a minimum of 24 points.

**Neuromuscular Rehabilitation (EXS402)***As for EXS553 except:*

Credit Points: 3

Not available this year

Lectures: 2 hours per week; laboratories/workshops: 2 hours per week.

Prerequisites: CHI225 Principles of Strength and Conditioning or EXS225/EXS103 Strength and Resistance Training; CHI208/EXS208/EXS203 Health, Fitness and Performance Assessment; EXS209 Biomechanics I or CHI209/EXS204/EXS2041 Biomechanics and Diagnostic Palpation Skills; and CHI328/EXS328/EXS306 Physical Assessment and Rehabilitation.

Exclusions: Students who have successfully completed EXS553/CHI553 Neuromuscular Rehabilitation may not enrol in this unit for credit.

**Neuromuscular Rehabilitation (EXS553)**

Credit Points: 2

MURDOCH: T2-internal

This unit will provide the student with an advanced understanding of neuromuscular assessment and neuromuscular rehabilitation techniques. The student will be provided advanced information concerning neuromuscular conditions and diseases that limit physical function. The learner will be provided with the necessary skills to devise a rehabilitation program for a range of individuals with neuromuscular disorders.

Lectures: 2 hours per week; laboratories/workshops: 2 hours per week.

Prerequisites: CHI225 Principles of Strength and Conditioning or EXS225/EXS103 Strength and Resistance Training; CHI208/EXS208/EXS203 Health, Fitness and Performance Assessment; EXS209 Biomechanics I or CHI209/EXS204/EXS2041 Biomechanics and Diagnostic Palpation Skills; and CHI328/EXS328/EXS306 Physical Assessment and Rehabilitation.

Exclusions: Students who have successfully completed CHI553 Neuromuscular Rehabilitation may not enrol in this unit for credit.

**Neuromusculoskeletal Rehabilitation in Overview (CHI680)**

Credit Points: 4

Not available this year

This unit builds on the principles and practice of neuromusculoskeletal rehabilitation taught in CHI681. The principles of developmental kinesiology will be explored further and the facilitation of muscular agonist-antagonist co-activation by reflex stimulation methods and exercise will be highlighted. Advanced approaches to the assessment and management of muscle imbalance will also be explored. Contemporary methods of assessing therapeutic outcomes in the clinical setting and an introduction to clinical epidemiology and critical reasoning will be presented.

External.

Prerequisites: Completion of Chiropractic degree or equivalent; CHI681 Principles and Practice of Neuromusculoskeletal Rehabilitation; CHI682 Neuromusculoskeletal Rehabilitation of the Lower Body; and CHI683 Neuromusculoskeletal Rehabilitation of the Upper Body.

**Neuromusculoskeletal Rehabilitation of the Lower Body (CHI682)**

Credit Points: 4

Not available this year

The principles and practice of neuromusculoskeletal rehabilitation for the lower body are presented in a practical, experiential manner with emphasis on active care including topics on functional stability training, functional integrative training and therapeutics for the lumbar spine based on responses to spinal loading. The development and utilisation of the clinical audit is highlighted.

External.

Prerequisites: Enrolment in the Master of Sports Science, Postgraduate Certificate in Neuromusculoskeletal Rehabilitation or Postgraduate Diploma in Neuromusculoskeletal Rehabilitation, or with the permission of the Academic Chair.

**Neuromusculoskeletal Rehabilitation of the Lower Body II (CHI684)**

Credit Points: 4

Not available this year

Builds on the principles and practice of neuromusculoskeletal rehabilitation for the lower body taught in CHI682. Develop an advanced level of functional assessment of the lower body. Motor systems incorporating local and global stability dysfunction will be investigated and strategies to manage the dysfunction will be explored. Other clinical approaches will include the examination and management of syndromes resulting from adverse neural tension in the lower limbs and mobilisation and relaxation techniques for pain of spinal origin (lumbar and pelvis).

External.

Prerequisites: Enrolment in the Master of Sports Science, Postgraduate Certificate in Neuromusculoskeletal Rehabilitation or Postgraduate Diploma in Neuromusculoskeletal Rehabilitation, or with the permission of the Academic Chair.

### Neuromusculoskeletal Rehabilitation of the Upper Body (CHI683)

Credit Points: 4

Not available this year

The principles and practice of neuromusculoskeletal rehabilitation for the upper body are presented in a practical, experiential manner with emphasis on active care including topics on functional stability training, functional integrative training, mobilisation and relaxation techniques for pain of spinal origin (head and neck) and therapeutics for the cervico-thoracic spine based on responses to spinal loading. The development and utilisation of the clinical audit is highlighted.

External.

Prerequisites: Enrolment in the Master of Sports Science, Postgraduate Certificate in Neuromusculoskeletal Rehabilitation or Postgraduate Diploma in Neuromusculoskeletal Rehabilitation, or with the permission of the Academic Chair.

### Neuromusculoskeletal Rehabilitation of the Upper Body II (CHI685)

Credit Points: 4

Not available this year

Builds on the principles and practice of neuromusculoskeletal rehabilitation for the upper body taught in CHI683. Develop an advanced level of functional assessment of the upper body. Motor systems incorporating local and global stability dysfunction will be investigated and strategies to manage the dysfunction will be explored. Other clinical approaches will include the examination and management of syndromes resulting from adverse neural tension in the upper limbs and, mobilisation and relaxation techniques for pain of spinal origin (thorax).

External.

Prerequisites: Enrolment in the Master of Sports Science, Postgraduate Certificate in Neuromusculoskeletal Rehabilitation or Postgraduate Diploma in Neuromusculoskeletal Rehabilitation, or with the permission of the Academic Chair.

### New Media Technologies (MCC315)

Credit Points: 4

MURDOCH: S2-internal, S2-external  
KAPLAN-SGP: TMA-internal  
SGP1: TMB-internal

This unit teaches students how to describe and evaluate changes to communication technology and media. Students will be exposed to pivotal studies in new media, and will gain practical skills in detailing changes to the Web, explaining the historical, cultural and social factors affecting mobile media, exploring collaborative media, and critically appraising the effects of new media on culture and user psychology.

Lectures: 1 hour per week; workshops 1.5 hours per week. Note: Lectures and tutorials for this unit commence in Week 1 of the semester.

Prerequisites: MCC108 Introduction to Communication and Media OR MCC118 Visual Communication (or MUL118 Principles of Multimedia).

### New Testament Exegesis (THE621)

Credit Points: 3

MURDOCH: S1-external

The movements that arose in the wake of the death of Jesus of Nazareth wrestled with the meaning of his life, ministry, and message. Today one encounters a remarkable range of claims about who Jesus was and what he stood for. This unit studies the historical Jesus and the four most influential depictions of him, the canonical gospels. Because the Book of Acts is the second volume of the Gospel of Luke, and hence integral to Luke, we study Acts as well.

2 hours of lectures per week.

Prerequisites: Enrolment in graduate-level study.

### New Testament Greek I (REL209)

Credit Points: 3

Not available this year

This unit introduces students to the major features of Hellenistic Greek as reflected in the writings of the New Testament. On completion of this unit students should be able to recognise the more common grammatical structures and vocabulary of the language of the New Testament.

Prerequisites: Nil.

### New Testament Greek II (REL210)

Credit Points: 3

Not available this year

This unit completes the student's introduction to New Testament Greek, provides practice in translation of selected passages and an introduction to New Testament textual criticism. On completion, students should be able to read the New Testament in Greek with the assistance of standard aids.

Prerequisites: THE103 New Testament Greek I or REL209 New Testament Greek I.

Exclusions: Students who have successfully completed THE203 New Testament Greek II may not enrol in this unit for credit.

### Newsroom (JOU322)

*As for MCC323 except:*

Credit Points: 3

Not available this year

### Newsroom (MCC323)

Credit Points: 4

MURDOCH: S2-internal  
DUBAI-ISC: TJD-internal, TSD-internal  
SGP1: TJB-internal, TSB-internal

This unit involves advanced news writing for publication. Students will work in the on-campus newsroom to produce stories for Murdoch's online news service The Murdoch Independent.

Workshops: 2 hours per week in first six weeks; additional production time rostered in the newsroom.

Prerequisites: MCC267 Photo and Video Journalism and MCC240 Politics, Journalism and Society and MCC217 Web News Production AND MCC245 Media Law and Ethics (may be studied concurrently); or permission from the Unit Coordinator.

Exclusions: Students who have successfully completed JOU323 Print News may not enrol in this unit for credit.

**Next Life (FDN107)**

Credit Points: 3

DUBAI-ISC: TJD-internal, TMD-internal, TSD-internal  
KAPLAN-SGP: TMA-internal, TSA-internal

Can you remember a time before Google, Facebook, YouTube, mobile phones? Think how previous generations lived. You will soon be the next generation, and technologies not yet invented will affect your life. Will you be prepared for your 'next life' - or left behind? This unit asks: (1) How are interactions with technologies shaping our social and personal lives? (2) How are technologies empowering/disempowering individuals and communities? (3) How is knowledge changing? (4) How is society remaking itself?

Lectures: 2 hours per week; tutorials: 2 hours per week.

Prerequisites: Nil.

**Numeracy and Learning (EDN562)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

The focus is on numeracy, what it means and how to help children learn it. We explore numeracy through 'everyday' tasks from two approaches - one from a broad-societal perspective and the other from the teaching-learning nexus. For the former, issues include definitions of numeracy and what it means to be numerate in an increasingly technological society. As we develop some knowledge and understanding, we explore how we can enhance the teaching and learning of numeracy within the school context.

Workshop/seminars: 12 hours over the semester.

Prerequisites: Enrolment in the Master of Teaching (Primary); successful completion of or co-enrolment in EDN5501 Transition to Teaching and EDN561 Understanding the Learner and the Learning Environment; co-enrolment in EDN563 Literacy and Learning.

**Nursing Health Assessment and Physical Examination (NUR105)**

Credit Points: 3

PEEL: S2N-internal

This unit will introduce the principles of health assessment and physical examination with a focus on physical, behavioural, social, cultural and psychological development. Relevant communication skills and interview techniques will be identified, developed and practised. Students will learn to incorporate health assessment and physical examination findings in nursing care plan development. Students will also gain an understanding of the legal and ethical issues relating to health assessment and physical examination.

Lectures: 1 hour per week; laboratories: 2 hours per week.

Prerequisites: NUR100 Introduction to Nursing Practice or enrolment in B1249 Bachelor Nursing (Combination).

**Nursing Management of Chronic Illness (NUR364)**

Credit Points: 4

PEEL: S1N-internal

This unit further develops students' ability to provide care for people with chronic illnesses. The psychosocial impact of chronic illness for individuals and the community, the impact on patient lifestyle choices and emerging trends in the management of chronic illness is highlighted. Narrative techniques are used to explore the management of symptoms in a range of chronic illnesses including diabetes, arthritis, cardiac and pulmonary diseases, palliative and wound care, renal and mental illness. End-of-life care issues are discussed.

Lectures: 1 hour per week; laboratories: 2 hours per week.

Prerequisites: Completion of all first and second year nursing units.

**Nutrition (EXS213)**

Credit Points: 2

MURDOCH: S1-internal

Nutrition is one the major determinants of health and well-being in our society. This unit will provide the student with broad knowledge and applicable skills in human nutrition. Relevant topics are selected for chiropractic and exercise science students including nutritional assessment, sport nutrition, nutrition issues in all life stages, and the role of nutrition in health. Upon completion, students will become familiar with current nutritional recommendations in Australia including the dietary guidelines to promote healthy nutrition and lifestyle.

Lectures: 2 hours per week; tutorials/workshops: 1 hour per week.

Prerequisites: BMS101 Introduction to the Human Body

Exclusions: Students who have successfully completed CHI281 Introduction to Biochemistry and Nutrition or CHI213 Nutrition may not enrol in this unit for credit.

**Oceanography and Marine Pollution (ENV244)**

Credit Points: 3

MURDOCH: S2-internal (quota of 40 places)

The first half of this unit discusses the physical and chemical properties of sea water, oceanic circulation, coastal bathymetry, currents, tides, waves, storms, surges and oceanic measurements along with pollution transport and diffusion. This underpins an examination of a theoretical background to natural ecosystem processes and pollution effects in the marine system in the latter half of the unit. Topics: eutrophication, thermal effluent and sediment, oil, metals and halogenated hydrocarbons. Field work provides students with the opportunity to undertake practical oceanographic sampling.

Lectures: 2 hours per week; laboratory classes: 9 x 3 hours; 1 boat trip: ~ 3 hours.

Students take part in a number of field trips that support and are integral to the laboratory experience that are used to underpin the theoretical components of this unit. These include: a boat trip, sediment sampling and collection of algae.

Prerequisites: BIO103 Introduction to Environmental Biology or BIO180 Introduction to Marine Biology; ENV213/ENV242 Atmospheric Science; and PEC144 Chemical Principles/CHE144 Foundations of Chemistry.

Exclusions: Students who have successfully completed ENV204 Principles of Oceanography and Marine Pollution or ENV282 Oceanography and Marine Pollution may not enrol in this unit for credit.

This unit is subject to quota. Quota is due to occupational health and safety limits on boat numbers and limited laboratory space. Selection is based on academic achievement in ENV213/ENV242 Atmospheric Science.

**Oil and Gas Law (LAW392)**

Credit Points: 4

MURDOCH: SUM-internal

This unit provides students with an overview of all aspects of upstream petroleum activities, including licensing, exploration and production, safety, environmental requirements and well integrity. It will provide a comparative study of the main developed licensing and concession regimes, and will incorporate examples from

Australia, UK, Norway, USA and Canada. At the unit conclusion, students will be familiar with how petroleum activities are regulated in these countries, and the structure and function of the legal frameworks that regulate these activities.

Taught intensively over one week 1-5 Dec 2014. Assignment due 4-5 weeks later and exam held in Summer exam block.

Readings/Self-Directed Study: Overall 200 hours expected from students including face-to-face teaching.

Prerequisites: All Part I (pre 2014) LLB Core Units; plus LAW260 Contract or LLB260 Contract Law.

Exclusions: Students who have successfully completed LAW3002 Special Topics in Law: Oil and Gas Law may not enrol in this unit for credit.

### Oil and Gas Law (LLB392)

*As for LAW392 except:*

Credit Points: 3

Not available this year

24 hours per week. Reading - self directed study. Overall 150 hours expected from students including face-to-face teaching

Prerequisites: Successful completion of all Part 1 (2014 on) LLB core units; BJU100 Australian Legal System; BJU150 Law in Context; and LAW260 Contract OR LLB260 Contract Law.

Exclusions: Students who have successfully completed LAW3002 Special Topics in Law: Oil and Gas Law or LAW392 Oil and Gas Law may not enrol in this unit for credit.

This unit is taught intensively over 1 week. Assignments are due 4 to 5 weeks later and the exam is held in the Summer block.

### Old Media, New Media (CMS202)

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit traces the ongoing transformation of media forms in contemporary culture, and critically interprets the 'new' in new and interactive media against the backdrop of 'old' media culture. Students will be introduced to established ideas in media theory, and consider how they might be applied (or not) to newer media platforms and interfaces. The unit will also consider current concepts and perspectives that are concerned with emerging media modalities, such as mobile media, participatory media, social media and gamification.

Lectures: 1 hour; tutorials: 1.5 hours.

Prerequisites: CMS101 Introduction to Media Studies

### Old Testament Exegesis (THE284)

Credit Points: 4

MURDOCH: S1-external

This unit provides detailed study of major blocks of material from the Old Testament, enabling students to develop skills in a variety of exegetical approaches while examining literary, historical, sociological and theological features. There will be opportunity to use Biblical Hebrew, but ability to read Hebrew is not essential and is not part of assessment. Each semester will have a different focus, and the unit may be taken more than once, with different content.

Prerequisites: S100/THE100 Life and Literature of Ancient Israel and enrolment in BA (Theology) (B1113), BA (Theology) (Honours) (H1131) or Bachelor of Theology (B1115).

Exclusions: Students who have successfully completed this unit or S216 Pentateuch or S235 Poetical Literature of Ancient Israel or

S236 Wisdom Literature of Ancient Israel may enrol in the parallel 200-level unit for credit and vice versa where the selected writings are different.

### Old Testament Exegesis (THE620)

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit provides detailed study of major blocks of material from the Old Testament, enabling students to develop skills in a variety of exegetical approaches, while examining literary, historical, sociological and theological features. There will be opportunity to use Biblical Hebrew, but ability to read Hebrew is not essential and is not part of the assessment. This unit may be taken more than once, with different content.

Seminars: 2 hours per week.

Prerequisites: THE506 Introduction to the Old Testament

### One Health (VET392)

Credit Points: 3

Not available this year

Lectures: 3 hours per week; Workshops: 1 hour per week; Practicals: 3 hours per week

Prerequisites: Nil.

### One Health for Biodiversity Conservation (VET603)

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit aims to introduce students to the growth field of One Health as it applies to biodiversity conservation. The unit will explore a range of issues related to the interdisciplinary integration of wildlife and domestic animal health, environmental health and public health, and the implications for conservation projects. Topics and case studies will explore these complex interrelationships with a focus on the role of wildlife health in global health outcomes.

Tutorials: 1 x 2 hours per week.

### OnTrack (EQUo60)

MURDOCH: S1-internal, S2-internal

PEEL: S1-internal, S2-internal

ROCKINGHAM: S1-internal, S2-internal

OnTrack provides an alternative entry pathway into Murdoch University. If you are Australian citizen, permanent resident or have a humanitarian visa and you need a course to get you ready for university study, OnTrack may be for you. In OnTrack you will experience university life and develop the foundational skills, knowledge and attributes required for successful university learning. Following successful completion of the course, you will be eligible to be offered a place in an undergraduate course at Murdoch University.

Lectures/tutorials: full-time 3 days per week, additional 1 day per week for students requiring language support.

Prerequisites: Enrolment in the OnTrack course.

### OnTrack Sprint (EQUo70)

MURDOCH: SB7-internal

ROCKINGHAM: SB7-internal

FastTrack provides an entry pathway into Murdoch University for students who have completed their WACE certificate within the previous 18 months, generated an ATAR between 60-69.5 and are Australian citizens, permanent residents or humanitarian visa

holders. Through this intensive, four-week preparatory program you will learn to think critically and undertake research at a University level. By participating in tutorials and completing assignments you will open your mind to new ways of thinking and develop your skills as an independent learner.

Lectures: 20 x 1 hour; tutorials: 40 x 1 hour; workshops: 4 x 1 hour.

Prerequisites: Enrolment in OnTrack Sprint Enabling program

### **Operating Systems and Systems Programming (ICT310)**

Credit Points: 4

MURDOCH: S2-internal, S2-external  
DUBAI-ISC: TSD-internal  
KAPLAN-SGP: TSA-internal

This unit aims to provide an understanding of the design and implementation of modern operating systems and how they provide an interface to computer hardware resources. It also covers the use of operating systems service routines to construct efficient systems programs. Topics include: process management, memory management, mechanisms for interprocess communications, file systems and protections, network programming using sockets and the UNIX system call interface.

Lectures: 1 x 2 hours per week; tutorials: 1 x 2 hour per week (1 hour unsupervised); plus optional clinics.

Prerequisites: ICT104 Principles of Computer Science and ICT106 Fundamentals of Computer Systems. Students are encouraged to complete ICT209 Data Structures and Abstractions before taking this unit.

### **Operating Systems and Systems Programming (ICT374)**

*As for ICT310 except:*

Credit Points: 3

Not available this year

Lectures: 1 x 2 hours per week; tutorials: 1 x 2 hours per week (1 hour unsupervised); optional clinics.

Prerequisites: ICT283 Data Structures and Abstractions.

### **Opportunities with e-learning (EDN575)**

Credit Points: 3

Not available this year

Emerging technologies such as blogs, podcasts, and mobile technologies are changing the educational technology landscape and generating new opportunities and challenges for learning. Instructors across educational sectors are exploring and sharing innovative ways to use technology to foster interaction, collaboration, and increased excitement for learning. This unit invites participants to engage with the pedagogical issues facing educators in the e-learning age, reflect on their practices and develop strategies for effectively integrating new technologies at their own institutions.

The compulsory on-campus component will be shown on the School of Education website.

Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

Prerequisites: Enrolment in a School of Education degree.

This unit is subject to quota. Quota is due to limited resources and capacity to support students in workshops. Preference is given to

Education students; non-Education students are to seek permission of Unit Coordinator.

### **Organic and Biological Chemistry I (CHE205)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit will enable students to develop understanding of the properties of organic and biological compounds at the molecular level. The content will support learning in disciplines where an understanding of organic and biological compounds is important, such as: biological, veterinary, environmental, and forensic sciences. This unit introduces concepts and techniques used to identify the structure and reactivity of organic compounds. The chemistry of various biological molecules is also examined, as well as an introduction to bioinorganic chemistry.

Lectures: 1 x 2 hours per week; laboratories: 1 x 4 hours per week. Up to 5 days intensive laboratory/workshop activities for external students.

Prerequisites: CHE145 Introduction to Chemical Concepts AND CHE144 Foundations of Chemistry.

External students are advised that they will be required to do up to 5 days intensive laboratory/workshop activities on campus.

### **Organic and Biological Chemistry II (CHE308)**

Credit Points: 3

Not available this year

This unit extends on concepts introduced in CHE205 Organic and Biological Chemistry I. As well as being a core unit for the Chemistry major, the content will also support learning in disciplines where an understanding of organic and biological compounds is important, such as: biological, veterinary, and environmental sciences. Topics include the design and synthesis of organic compounds, stereochemistry, radical chemistry in nature and aspects of medicinal chemistry.

Lectures: 1 x 2 hours per week; laboratories: 1 x 4 hours per week. Up to 5 days intensive laboratory/seminar activities for external students.

Prerequisites: CHE205 Organic and Biological Chemistry I.

External students are advised that they will be required to complete up to 5 days intensive laboratory/seminar activities on campus.

### **Organisation Development and Change (BUS298)**

*As for BUS240 except:*

Credit Points: 3

MURDOCH: S2-internal, S2-external

Lectures: 1 hour; workshops: 2 hours.

Prerequisites: BUS145 Principles of Management or BUS176 Foundations of Management and Governance

Exclusions: Students who have completed BUS240 Organisation Development and Human Resources Management may not enrol in this unit for credit.

### **Organisation Development and Human Resources Management (BUS240)**

Credit Points: 4

DUBAI-ISC: TMD-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal  
SGP1: TMB-internal

BUS240 explores the choices organisations have for assisting

employees to work effectively and adapt to change including the role human resource management plays in organisation development. Individual, team, HRM, and strategic concepts are linked to the strategies and processes organisations and individuals use to promote organisational citizenship throughout change. Students will develop practical skills for operating in organisations via management processes such as analysing organisational problems, organisation development interventions, managing meetings, facilitating group processes, problem solving, and managing projects.

Lectures: 1 hour per week; workshops: 2 hours per week.

Prerequisites: BUS145 Principles of Management or BUS176 Foundations of Management and Governance.

Exclusions: Students who have successfully completed BUS298 Organisation Development and Change may not enrol in this unit for credit.

### Organisation of Work (PSY552)

Credit Points: 3

MURDOCH: S2-external

This unit aims to develop the student's understanding of the organisational, social, cognitive and behavioural dimensions of work and the workplace. Topics include work motivation, satisfaction and commitment, team and group processes, leadership, power and decision-making, workplace relations, conflict management and organisational learning. The unit also explores the broader nature of work organisations and organisational change and its management. The instructional content of the unit and the evaluation components reflect a balance between theory and applied knowledge and skills.

Online discussions with minimum contribution requirements.

Prerequisites: Enrolment in PgCertOHRS or PgDipConsultPsych or MAppPsych or MAppPsych/PhD or DPsych, or with the permission of the Academic Chair.

### Organisational Behaviour and Management (MBS508)

Credit Points: 4

DUBAI-ISC: TJD-internal, TSD-internal

KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

This unit introduces students to concepts and theories of organisational behaviour useful to managers. The unit considers behavioural impacts at the individual, group and organisational levels. Topics include motivation, job attitudes, stress, issues of group processes and relations, leadership, communication, power and conflict, and organisational structure and design. Theories of how to manage the organisation during times of change and development will be a focus. The unit combines lectures and tutorials and has a practical, problem solving and experiential approach.

Lectures/seminars/workshops: 3 hours per week.

Prerequisites: Enrolment in a graduate-level course. Students in C1115 Graduate Certificate in Business Administration (MasterClass) will be enrolled in MBS5082.

Exclusions: Students who have successfully completed MBS538 Organisational Behaviour and Management or MBS5082 Organisational Behaviour and Management may not enrol in this unit for credit.

### Organisational Behaviour and Management (MBS5082)

*As for MBS508 except:*

Credit Points: 3

MURDOCH: W-internal

Taught intensively during the Winter term.

Prerequisites: Enrolment in C1083 Postgraduate Certificate in Business Administration (MasterClass) or C1115 Graduate Certificate in Business Administration (MasterClass).

Exclusions: Students who have successfully completed MBS508 Organisational Behaviour and Management or MBS538 Organisational Behaviour and Management may not enrol in this unit for credit.

### Organisational Behaviour and Management (MBS538)

*As for MBS508 except:*

Credit Points: 3

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Lectures/seminars: 3 hours per week

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students who have successfully completed MBS508 Organisational Behaviour and Management or MBS5082 Organisational Behaviour and Management may not enrol in this unit for credit.

### Organisational Change, Management and Consultancy (MBS548)

Credit Points: 4

DUBAI-ISC: TJD-internal, TSD-internal

KAPLAN-SGP: TJA-internal, TSA-internal

This unit focuses on the role of the consultant or change agent (internal and external) and the applications and limitations of established change consulting approaches in different contexts. Broad approaches or planned interventions explored include: Organisational Development (OD); Organisational Transformation (OT); HR Interventions; Knowledge Management and Organisational Learning, ICT implementation and Business Process Re-engineering (BPR).

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students who have successfully completed MBS648 Organisational Change, Management & Consultancy may not enrol in this unit for credit.

It is strongly recommended that students complete MBS508 Organisational Behaviour and Management prior to this unit.

### Organisational Change, Management and Consultancy (MBS568)

*As for MBS548 except:*

Credit Points: 3

MURDOCH: S2-internal, S2-external

Lectures/seminars/workshops: 3 hours per week.

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students who have successfully completed MBS648 Organisational Change, Management and Consultancy may not enrol in this unit for credit.



**Organisational Psychology: Practicum I (PSY570)**

Credit Points: 3

MURDOCH: S2-placement

This unit focuses on practical application of organisational psychology to real organisational issues. The placements will provide experience in core areas of organisational psychology including recruitment and selection, performance management, conflict resolution, team development, training, organisational measurement and development, and human factors. Regular presentations from second year students will provide exposure to real organisational problems and second year placement process. The principal aim is to apply knowledge, experience and research from all aspects of scientific psychology to real organisational problems.

Practical placements: 1 day per week (inclusive of non-teaching periods).

Prerequisites: Enrolment in MAppPsych, DPsych or MAppPsych/PhD; OR Enrolment in Postgraduate/Graduate Diploma in Consultancy Psychology where candidate holds a four-year Psychology qualification or equivalent; Provisional Registration as a Psychologist with Psychology Board of Australia.

Students must achieve a pass in all assignments in order to complete this unit.

**Organisational Psychology: Practicum II (PSY603)**

Credit Points: 12

MURDOCH: S1-placement, S2-placement, SUM-placement, Y-placement

Students must complete practical placements in agencies and organisations appropriate to the organisational psychology specialisation. Students will be advised to select placements that will meet APAC and Registration Board requirements. Students will also attend seminars on professional, practical and methodological issues.

Practical placements: 120 days total; seminars: fortnightly.

This is a practicum unit supplemented with fortnightly seminar classes on campus, which allow students to interact with peers and receive guidance and additional supervision from University staff.

Prerequisites: Enrolment in MAppPsych (Organisational only) or MAppPsych (Organisational)/PhD; Provisional Registration as a Psychologist with Psychology Board of Australia.

A result of Ungraded Pass or Fail is awarded for this unit.

**Organisational Theory and Behaviour (BUS223)**

Credit Points: 4

DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal  
SGP1: TJB-internal, TSB-internal

This unit provides a basic understanding of individual and group behaviour in organisations, as well as exploring some organisational theories and management processes. Topics include: individual dimensions of behaviour -- personality, perception and learning, communication and motivation; groups and interpersonal influence -- structure, values, interaction and leadership; and organisational issues such as structure, processes, design, decision making; organisational change and development. Globalisation and sustainability are embedded into this unit as recurring themes.

Lectures: 1 hour per week; workshops: 2 hours per week.

Prerequisites: BUS145 Principles of Management or BUS176 Foundations of Management and Governance or PSY217 Psychology: Work and Organisations.

Exclusions: Students who have completed BUS293 Organisational Theory and Behaviour may not enrol in this unit for credit.

**Organisational Theory and Behaviour (BUS293)***As for BUS223 except:*

Credit Points: 3

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Lectures: 1 hour per week; tutorials: 2 hours per week

Exclusions: Students who have completed BUS223 Organisational Theory and Behaviour may not enrol in this unit for credit.

**Orientation Chemistry 1 (EQU011)**

MURDOCH: S1-internal

This unit is an introduction to the study of chemistry. The basic concepts of chemistry and basic calculations of molecular mass and the mole concept are covered including reaction equations and stoichiometry.

Lectures/tutorials: 3 hours per week; laboratories: six two-hour sessions.

Prerequisites: This unit is restricted to Aboriginal and Torres Strait Islander students who entered Veterinary or Biomedical Science through the Waardong program, or by permission from the Academic Chair.

**Orientation Chemistry 2 (EQU012)**

MURDOCH: S2-internal

This unit builds upon the basic chemical knowledge gained for EQU011 Orientation Chemistry 1 to cover concepts such as equilibrium reactions, redox reactions, acids and bases and a basic investigation of organic chemistry.

Lectures/tutorials: 3 hours per week; laboratories: six two-hour sessions.

Prerequisites: EQU011 Orientation Chemistry 1. This unit is restricted to Aboriginal and Torres Strait Islander students who entered Veterinary Science through the Waardong program, or by permission of the Academic Chair.

**Our Mob: Indigenous Community Engagement (AIS234)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

The primary focus of this unit is providing students with a background in the issues, concepts and challenges inherent in working with Indigenous individuals and families. This unit has been designed for students from a range of professional disciplines including social work, education, sustainability, law and community development and nursing. In order to keep the emphasis on practical applications of theoretical knowledge, the unit will use real-world case-studies and the lessons for practitioners inherent in these.

Lectures: 1 hour per week; workshops: 2 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed AIS233 Our Mob: Working with Indigenous Families may not enrol in this unit for credit.

### Overseas Aid and International Development (SUS207)

Credit Points: 3

MURDOCH: S1-internal, S1-external

Why is aid and development important? How can we make it more effective? What are the differences between humanitarian emergency responses and long term development? How can we encourage people to take ownership for their own sustainable development? What are the barriers to this for them and us? This course aims to give a historical and philosophical grounding to respond to these questions along with practical skills to work in a development context.

Lectures: 1 x 2 hours per week; tutorials: 1 x 1 hour per week.

Prerequisites: Nil.

Exclusions: Students who have completed STP204 Overseas Aid and Development or SUS204 Overseas Aid and Development cannot take this unit for credit.

### Parasitology (BMS316)

*As for BMS364 except:*

Credit Points: 3

Not available this year

Lectures: 3 hours per week; practicals: 3 hours per week

Exclusions: Students who have successfully completed BMS364 Parasitology may not enrol in this unit for credit.

### Parasitology (BMS364)

Credit Points: 4

MURDOCH: S2-internal

A unit in applied parasitology that introduces the concept of parasitism and the diversity of organisms. The life cycles and transmission patterns of the major parasites of people and domestic animals in Australia are described. The interaction between hosts and parasites, leading to disease, is covered in detail, as is the treatment of parasitic disease and the development of integrated approaches to parasitic control. Special attention is given to the role of medical research in understanding human parasitic disease.

Lectures: 4 hours per week; practicals: 3 hours per week.

Prerequisites: Nil. Recommended: BIO103 Environmental Biology or ANS102 Introduction to the Animal Body.

### Parliamentary and Public Sector Internship (POL322)

Credit Points: 8

MURDOCH: S2-internal

A Parliamentary Internship is a cooperative arrangement with the Western Australian State Parliament. Public Policy Internships are a cooperative arrangement with the Western Australian Public Service. Students undertake research with the collective guidance of a member of parliament or public service agency, and an academic supervisor. The research project is supported by a series of seminars which range in focus from considerations of parliamentary government and policy making to the ethics of research.

2 hour seminar (plus internship contact hours to be negotiated).

All Interns will spend time in the workplace associated with their Internship/placement. In addition, interns undertaking a Parliamentary or Public Sector Internship will visit the Parliament of WA, and a number of public sector agencies such as the Equal Opportunity Commission, the Office of the Auditor General, and the

Office of the Ombudsman - as appropriate and convenient to these agencies.

Prerequisites: High standard of academic performance.

Acceptance into the unit depends upon a demonstrated high standard of academic performance. Students intending to undertake an internship should apply to the Unit Coordinator before the end of Semester 1.

### Parliamentary and Public Sector Internship (POL340)

Credit Points: 6

Not available this year

The central component of the Internship is a research project requiring both substantial research and an extended piece of writing (minimum 5000 words). If the Internship were only 3 points it would be impossible to maintain the depth, breadth and rigour of the research project together with the other supporting elements (seminars etc) of the internship and the other assessment task(s) such as the Reflective Essay.

Seminars: 2 hours per week; internship contact hours to be negotiated.

All interns will spend time in the workplace associated with their internship/placement. In addition, interns undertaking a Parliamentary or Public Sector Internship will visit the Parliament of WA, and a number of public sector agencies such as the Equal Opportunity Commission, the Office of the Auditor General, the Office of the Ombudsman as appropriate and convenient to these agencies.

Prerequisites: High standard of academic performance.

Exclusions: Students who have completed POL322 Parliamentary and Public Sector Internship may not enrol in this unit for credit.

### Parliamentary Studies (SWM646)

Credit Points: 3

MURDOCH: S2-internal

This unit examines how parliaments and legislatures operate and is founded on the basis of theoretically-informed but policy relevant research. It provides students with a sense of why cultures, traditions and informal relationships matter as much (if not more) than formal procedures. This unit is offered in association with the Parliament of Western Australia. It represents the first of its kind in Australia and is designed to be of particular value to students considering a career in public service.

Seminars for this unit will be held in a two-week intensive period with 4 x 3 hour sessions each week, totalling 24 hours of contact time for both weeks.

Self-directed learning.

Prerequisites: Enrolment in a graduate-level course.

### Pastoral Care (THE245)

Credit Points: 4

MURDOCH: S1-external

This unit will introduce the practice of pastoral care. It will examine pastoral care across cultures and in a multi faith context. Topics include grief, trauma, death and dying.

Three day-long intensives of 6 hours, plus 6 hours of online contact (discussions/tutorials/lectures). Please check the timetable for the scheduling of the intensives.

Prerequisites: Enrolment in BA (Theology (B1113)), BA (Theology (Honours) (H1131) or BTheology (B1115).

**Pastoral Care (THE645)***As for THE245 except:*

Credit Points: 3

MURDOCH: S1-internal, S1-external

Prerequisites: Enrolment in graduate-level study.

**Pastoral Practicum (THE512)**

Credit Points: 3

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

This unit consists of experience and reflection in a parish or institutional setting. It provides an opportunity for students to exercise skills in ministry under supervision with a view both to developing skills further and to deepening theological awareness of the issues involved in ministry.

Field experience: 8 hours per week plus 1 hour supervision.

Prerequisites: Enrolment in the Graduate Diploma in Chaplaincy.

**Pastoral Practicum I (THE237)**

Credit Points: 4

MURDOCH: S1-external, S2-external

Theory and practice of ministry within a parish or institutional setting, including experience and reflection under guidance of a supervisor.

Practica: 12 hours per week (11 hours field experience and 1 hour supervision).

Prerequisites: THE107 Thinking Theology and enrolment in BA (Theology) (B1113), BA Theology (Honours) (H1131) and B Theology (B1115). As this is a practical workplace unit, students wishing to enrol in this unit must consult the Unit Coordinator at least six months prior to enrolment.

**Pastoral Practicum II (THE437)**

Credit Points: 4

MURDOCH: S1-external, S2-external

This unit consists of further experience and reflection in a parish or institutional setting, beyond THE237 Pastoral Practicum I. It provides an opportunity for students who have already completed a major part of their theological studies to exercise skills in ministry under supervision with a view both to developing skills further and to deepening theological awareness of the issues involved in ministry.

Practica: 12 hours per week (11 hours field experience and 1 hour supervision).

Prerequisites: THE245 Pastoral Care or S273 Patterns of Preaching or THE288 Worship and Liturgy and enrolment in BA (Theology) (B1113), BA (Theology) (Honours) (H1131) and B Theology (B1115). Highly recommended: THE237 Pastoral Practicum I and a major part of the student's theological studies. Students wishing to enrol in this unit must obtain a full unit outline, and consult the Unit Coordinator with regard to the availability of places within the unit at least six months prior to enrolment.

**Pathology and Disease of Production Animals (ANS350)**

Credit Points: 4

MURDOCH: S1-internal (quota of 50 places)

Pathological processes and their interrelationships that are present in production animals will be examined. This will be linked to

general pathology lectures (shared with VET340, CHI301, BMS360), practical labs/demonstrations in animal diseases of importance in production animals, and mind-mapping workshops. A component of the contact time will deal with public health and disease surveillance. Some practical interpretation skills developed through the use of case studies arising from the diagnostic pathology service provided by the School will be taught.

Lectures: 3 hours per week; laboratories: 2 hours per week; workshops: 1 hour per week.

Prerequisites: Enrolment in Bachelor of Animal Science; ANS251 Agricultural Biochemistry and ANS253 Physiology and Anatomy of Farm Animals.

This unit is subject to quota. Quota is due to limited resources and facilities. Preference will be given to students enrolled in B1222 Bachelor of Animal Science.

**Pathophysiology (BMS321)**

Credit Points: 3

Not available this year

This unit covers histology and general/systemic pathology with an emphasis on histopathology. It details cell injury/death, inflammation, immunological reactions, and neoplasia and will stress the relation between disease process and laboratory diagnostic testing. Tissue sectioning, staining and interpretation by microscopy interpretation will also be introduced.

Lectures: 3 hours per week; laboratory sessions: 3 hours per week.

Prerequisites: BIO243 Immunology, Vaccines and Cell Culture

**Paul and Early Christian Writings (THE240)**

Credit Points: 4

Not available this year

A study of select New Testament writings drawn from the letters attributed to Paul, the General Letters (apart from the Johannine Letters) and the Acts of the Apostles. Attention will be given to the structure, content, and themes of at least one letter from the Pauline corpus in the context of Paul's life and work and of at least one other writing. (There will be opportunity for use of Greek for students who have completed THE103 New Testament Greek I.)

Prerequisites: Enrolment in BA (Theology) (B1113), BA (Theology) (Honours) (H1131) or Bachelor of Theology (B1115). Recommended: S102/THE102 Introduction to New Testament Studies.

**Pedagogies for Literacy and Numeracy in the Early Years (EDN566)**

Credit Points: 3

MURDOCH: S1-external

This unit aims to equip early childhood educators with sound knowledge and skills to effectively teach literacy and numeracy in the early years K-2. The integration of literacy and numeracy across the curriculum will be explored, as will the role of the educator as an intentional teacher of literacy and numeracy in children's play.

Prerequisites: Enrolment in the Graduate Diploma of Early Childhood Care and Education or the Graduate Certificate in Early Childhood Education, or the Graduate Certificate in Early Childhood Care and Education, or the Master of Education (Coursework).

**People and Globalisation (MCC386)**

Credit Points: 4

MURDOCH: S2-internal, S2-external

This unit explores the impacts of globalisation practices on cultural and gender politics around the world. It addresses issues of cultural difference and culture clash, of cultural specificity, cultural resistance and cultural transformation in response to globalisation. These issues will be explored through a series of topical and contentious examples, such as sex trafficking, HIV/AIDS, the economic effects of transnational corporations, which foreground the connections between gendered impacts and cultural politics.

Lectures: 1 hour per week; tutorials: 2 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed WOM270 Gender and Globalisation and MCC211 / MCC511 Gender, Globalisation and Cultural Politics may not enrol in this unit for credit.

**People's History of South-East Asia (AST286)**

Credit Points: 3

Not available this year

Explores important themes in South-East Asian modern history, including contemporary social patterns and historical processes, in particular Asian societies as perceived by the people themselves; the structure of social dominance; the autonomy of popular culture; the impact of global trade; migration and the diaspora communities; colonialism and self; ideology and revolution; commodities, lifestyles and identities. The unit aims to bring the boundaries of South-East Asian history as close as possible to those of people's lives and experiences.

Lectures: 1 hour per week; tutorials: 1.5 hours per week

Prerequisites: Nil.

**People, Corporates and Globalisation (MCM604)**

Credit Points: 3

MURDOCH: S2-internal

This unit examines the broad discourse of globalisation by focusing on human and gendered dimensions of economic and cultural politics, as well as on corporate responses to a range of global challenges. The unit explores issues of cultural difference and culture clash, of cultural specificity, resistance and transformation in response to increased globalisation by analysing issues such as sex and human trafficking, HIV/AIDS, power and practices of transnational corporations and the application of corporate social responsibility.

Seminars: 3 hours per week.

Prerequisites: Enrolment in graduate course of study.

**Perceptions of South-East Asian Society (AST556)**

Credit Points: 3

Not available this year

This unit seeks to develop an awareness of the impact of colonialism on traditional societies in South-East Asia, and the perceptions of the coloniser and colonised of each other, on the basis of literary (novels and short stories) and historical records. Attention will be paid to life and work in traditional South-East Asian societies in the pre-colonial period, patterns of colonial administration and oppression, social and psychological dislocation and the universality of the colonial experience.

Seminar: 3 hours per week.

Prerequisites: Enrolment in a graduate-level (AQF level 8 or AQF level 9) course or permission of the Unit Coordinator.

**Performance and Creative Arts (EGL236)**

Credit Points: 3

MURDOCH: S2-internal

Students develop skills in the analysis of performance art and in creating their own works in response. The unit outcomes include providing a detailed understanding of theoretical, critical and practical approaches to contemporary performance work; enhancing the critical analysis skills of each student; developing an understanding of the ways in which social justice issues can be interrogated in performance; providing a global perspective on issues surrounding the production and reception of performance; and enhancing students' communication and negotiation skills.

Seminars: 1.5 hours per week; workshops: 1.5 hours per week.

Field trip to the Art Gallery of Western Australia and the Perth Institute of Contemporary Art once during the semester to attend and review exhibitions and installations.

Prerequisites: Nil.

**Perspectives on Security and Terrorism (POL192)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit introduces the concepts of security, risk, terrorism and counterterrorism and examines how various agents in international society perceive and employ them. It explains how and why terrorism undermines security and what measures are often taken to counter it. The unit also analyses the relationships between terrorism and religion, the media, democracy and international law. It finally examines the way Australia has responded to terrorist threats since the attacks on the US in September 2001.

Lectures: 1 hour per week; tutorials: 1 hour per week.

Prerequisites: Nil.

**Photo and Video Journalism (JOU367)***As for MCC267 except:*

Credit Points: 3

Not available this year

This unit is not subject to quota.

**Photo and Video Journalism (MCC267)**

Credit Points: 4

MURDOCH: S1-internal (quota of 80 places)

DUBAI-ISC: TMD-internal

SGP1: TMB-internal

Students will be exposed to the challenge of using still and moving images to tell real stories. Students will learn the conventions and techniques of documentary photography, and the contemporary processes of digital reproduction, in readiness to apply them for publication in the newsroom production unit.

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: PHO124 Photography I; MCC104 Introduction to Journalism or EGL114 Introduction to Creative Arts.

This unit is subject to quota. Quota is due to limited resources. Thereafter students can apply to the Unit Coordinator as places become available. Preference will be given to students enrolled in BA Journalism.

**Photo Documentary (PHO202)**

Credit Points: 3

MURDOCH: S2-internal

Theory and practice in producing image based narratives. The course will equip students to develop the conceptual and technical skills required to produce a documentary photography project. Students will develop a proposed area of investigation at the beginning of the course to develop into a portfolio project by the end of semester. In addition students will be introduced to the history and key practitioners of documentary photography.

Lectures: 1 hour; tutorials: 90 minutes.

Prerequisites: PHO124 Photography I.

**Photographic Culture (PHO305)**

Credit Points: 3

Not available this year

A cultural history of Photography, the major movements and development. An overview of the principle practices, theories and debates. Photographic Culture will create a new context for reflection on the nature of photography, its practices, meanings, and private/public worlds.

Lectures: 1 hour; workshops: 1.5 hours.

Prerequisites: Nil.

**Photography 1 (PHO124)***As for MCC124 except:*

Credit Points: 3

MURDOCH: S1-internal (quota of 120 places), S2-internal (quota of 120 places)

Lectures: 1 hour per week; workshops: 1.5 hours per week.

Exclusions: Students who have successfully completed MCC124 Photography and Digital Imaging may not enrol in this unit for credit.

This unit is offered in both Semester 1 and Semester 2 in order to ensure that students have reasonable access to the School's photographic equipment.

This unit is subject to quota. Quota is due to space and equipment constraints and the supervision demands of a production environment. Preference is given to BA Photography majors.

**Photography 2 (PHO203)**

Credit Points: 3

MURDOCH: S1-internal

Photography II focuses on advanced photographic practice and alternative imaging processes. Students explore technical and aesthetic modes of photographic practice. The unit is designed to prepare students for major portfolio, exhibition and commercial practice. Students will be introduced to the conceptual and technical methods required to plan and develop substantial project work.

Prerequisites: PHO124 Photography I

**Photography and Digital Imaging (MCC124)**

Credit Points: 3

DUBAI-ISC: TMD-internal

This unit is a practical introduction to photography and the digital imaging workflow as a foundation for students wishing to pursue studies in multimedia, cinematography and photography. Camera operation, image acquisition and production workflow skills learnt at the level of the still image become the basis of skills in all later visual media work. Learning activities emphasise the creation and analysis of the still image in the context of the major concepts, movements and practices in historical and contemporary photography.

Lectures: 1 hour per week; workshops: 2 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed MED102 Photography or MCC124 Photography and Digital Imaging may not enrol in this unit for credit.

**Physical Assessment and Rehabilitation (EXS306)**

Credit Points: 3

Not available this year

Provides students with a basic understanding of rehabilitation assessments, techniques and protocols. It enhances the ability of a student to assist in developing of a person to the fullest physical, psychological, social, vocational, and educational potential within their physiological/anatomic impairments and environmental limitations. Upon completion, students will be able to develop and implement exercise rehabilitation techniques for patients with a wide variety of disabling illnesses by understanding the nature of adaptations to training with various kinds of exercise.

Prerequisites: EXS124 Introduction to Sports Science, EXS103 or CHI225/EXS225 Principles of Strength and Conditioning; EXS203 or CHI208/EXS208 Health, Fitness and Performance Assessment; EXS204 or EXS2041 or CHI209/ EXS209/CHI2091/EXS2091 Biomechanics or Biomechanics and Diagnostic Palpation Skills.

Exclusions: Students who have successfully completed CHI328 Physical Assessment and Rehabilitation may not enrol in this unit for credit.

**Physical Assessment and Rehabilitation (EXS328)**

Credit Points: 4

MURDOCH: S1-internal

Provides students with a basic understanding of rehabilitation: the development of a person to the fullest physical, psychological, social, vocational, and educational potential within their physiological/anatomic impairments and environmental limitations. Upon completion, students will be able to develop and implement exercise rehabilitation techniques for patients with a wide variety of disabling illnesses by understanding the nature of adaptations to training with various kinds of exercise. It has three components: evaluation methods; general management methods; management methods by body region.

Lectures: 2 hours; laboratories: 2 hours.

Prerequisites: CHI225/EXS225 Principles of Strength and Conditioning; CHI208/EXS208 Health, Fitness and Performance Assessment; CHI209/ EXS209/CHI2091/EXS2091 Biomechanics or Biomechanics and Diagnostic Palpation Skills.

Exclusions: Student who have successfully completed CHI328 Physical Assessment and Rehabilitation may not enrol in this unit for credit.

**Physical Chemistry I (CHE202)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit builds on a basic understanding of chemical principles to show the practical investigative uses of thermodynamics and kinetics. In addition, it introduces molecular orbital concepts of structure and reaction mechanisms. The concepts of ionic strength, activity, redox, complexation, speciation, solubility and membrane equilibria are discussed and applied to practical situations, including biochemical systems. MO theory of planar molecules and simple reactions including Lewis acid/base and SN2.

Lectures: 3 x 1 hour per week; laboratories: 1 x 4 hours per week.

Prerequisites: CHE144 Foundations of Chemical Principles; CHE145 Introduction to Chemical Concepts.

**Physical Chemistry II (CHE347)**

Credit Points: 3

Not available this year

This unit expands on structure, reaction mechanisms and rates begun in CHE201 Physical Chemistry I. The physical chemistry of phase changes and electrolyte solutions are studied focusing on complex multi-component and multiphase systems, such as liquid-vapour, solid-aqueous, metals and alloys, under a variety of temperature and pressure conditions. The electrochemistry of mixed potentials, corrosion and mineral leaching is included. MO theory is further developed for non-planar molecules, Walsh diagrams and orbital interactions during metal mediated catalysis.

Lectures: 2 hours per week; laboratories: 4 hours per week.

Prerequisites: CHE201 Physical Chemistry I.

**Physical Education (EDN116)**

Credit Points: 3

MURDOCH: S2-internal

This introductory unit focuses on the development of physical activity and coaching/teaching skills, developed through a range of movement experiences in different physical education and sporting contexts. The unit is valuable for students who intend to teach physical education across K-12 in WA schools. Students will be introduced to Fundamental Movement Skills, teaching/coaching principles and methodologies and to the sports Gymnastics and Volleyball. As part of this unit, students will complete their Beginning Coaching General Principles course.

Lectures: 1 x 1 hour; workshops: 1 x 2 hours.

Prerequisites: Enrolment in Education (BEd) [Primary, 1-10 Health and Physical Education] or Education (BEd) [Secondary Teaching] + Sports Science (BSportsSc). Students from other courses need to contact the Unit Coordinator about enrolment in this unit.

Exclusions: Students who have successfully completed EDU107 Physical Education may not enrol in this unit for credit.

**Physical Education and the Curriculum A (Secondary 7 - 10) (EDN374)**

Credit Points: 3

Not available this year

This unit prepares students for teaching Health and Physical Education (HPE) in secondary schools years 7-10. It will focus on the planning, development and implementation of effective teaching and learning processes as described in the WA HPE Curriculum. Students will describe the progression and development of the disciplinary knowledge, understanding and

skills underpinning Physical Education and how these are applied in movement contexts.

Prerequisites: Enrolment in Secondary Teaching (Science Combined Sport and Health Science) (BEd,BSc). Successful completion of BED100 Ideas in Education, and BED150/EDN112/EDN1121 Understanding Teachers' Work, and EDN111 Language for Learning and Teaching

Exclusions: Students who have successfully completed EDN419 Health and Physical Education and the Curriculum (Major) may not enrol in this unit for credit.

**Physical Education and the Curriculum B (Secondary 11 - 12) (EDN474)**

Credit Points: 3

Not available this year

Prerequisites: Enrolment in Secondary Teaching (Science Combined Sport and Health Science) (BEd,BSc). Successful completion of BED100 Ideas in Education, and BED150/EDN112/EDN1121 Understanding Teachers' Work, and EDN111 Language for Learning and Teaching.

Exclusions: Students who have successfully completed EDN419 Health and Physical Education and the Curriculum (Major) may not enrol in this unit for credit.

**Physical Examination (CHI283)**

Credit Points: 4

MURDOCH: S2-internal (quota of 90 places)

This unit introduces students to the process whereby a clinician investigates a patient for signs of disease. Students will have the opportunity to learn the techniques and procedures associated with physical examination of the different body systems and the ability to synthesise findings. The unit builds upon other units by providing the student with the opportunity to develop the necessary knowledge, skills, manual dexterity, attitudes and behaviours to be a safe and effective health care provider, focusing on clinical examination.

Lectures: 4 hours per week; practicals: 4 hours per week.

Prerequisites: BMS101 Introduction to the Human Body; CHI108 Functional Human Anatomy (or BMS108 Comparative Musculoskeletal Anatomy/VET108 Topics in Comparative Mammalian Anatomy); BIO152 Cell Biology; CHI109 Chiropractic Skills and Principles I (or CHI124/EXS124 Principles of Sports Science); BMS107 Principles of Vertebrate Physiology; CHI280 Human Anatomy I; BMS264 Biomedical Physiology OR BMS206 Biomedical Physiology; and concurrent enrolment in CHI282 Human Anatomy II.

This unit is subject to quota. Quota is due to limited facilities requirements. Preference will be given to students in Chiropractic. Non-clinical students need to apply via the Unit Coordinator to take this unit.

**Physical Examination (CHI293)***As for CHI283 except:*

Credit Points: 3

Not available this year

This unit is not subject to quota.

**Physical Sciences Internship (PEC310)**

Credit Points: 12

MURDOCH: S1-internal, S2-internal, Y-internal

A one-semester full-time (or full-year equivalent) work experience internship that will provide appropriate professional experience in the student's discipline area. Available to students in their final year of study. Students will be formally supervised by an academic staff member as well as by the employing organisation. The unit includes some workshops to prepare students for the workplace experience.

Prerequisites: Acceptance into the Science Internship Program and approval by the Academic Chair.

Students cannot self-enrol in this unit.

**Physics and Nanotechnology Projects (PEC307)**

Credit Points: 4

MURDOCH: S1-internal, S2-internal, Y-internal

The objective of this unit is to integrate knowledge and abilities gained from units taken in the Physics and Nanotechnology major and apply them to the investigation of a particular physics/nanoscience-related problem, under the supervision of an academic staff member. Students may select a project from any area of nanoscience and chemistry/physics/energy studies/engineering/forensics/biomedical sciences in consultation with the Unit Coordinator, and subject to the availability of supervision.

Contact time by individual arrangements with Supervisors.

Prerequisites: PEC261 Applications of Nanotechnology.

**Physics and Nanotechnology Projects (PEN307)***As for PEC307 except:*

Credit Points: 3

Not available this year

**Physics of Materials (PEC317)**

Credit Points: 4

MURDOCH: S2-internal, S2-external

This unit covers the properties of matter and the structure and properties of solids and surfaces and their technological applications. Topics covered include phases of matter, properties of gases, liquids and solids, defects and dislocations in solids, quantum statistics, lattice vibrations, free electron theory of solids, metals, insulators and semiconductors, semiconductor devices, dielectrics, magnetic and amorphous materials, superconductivity, surfaces of solids and liquids.

Lectures: 3 hours per week, tutorials: 1 hour per week, laboratories: five 3-hour sessions.

Prerequisites: CHE140/PEC140 Introduction to Chemistry or CHE/PEC144 Chemical Principles; PEC231 Modern Physics, PEC302/PEN202 Thermodynamics for Physics and Nanotechnology.

Exclusions: Students who have completed PEC247 Physical and Inorganic Chemistry prior to 2011 may not complete this unit for credit.

Laboratory kits are provided for off-campus students.

**Physics of Materials (PEN317)***As for PEC317 except:*

Credit Points: 3

Not available this year

**Physiological Therapeutics (CHI423)**

Credit Points: 2

MURDOCH: T3-internal

Provides instruction in the indications and safe and accurate use of ancillary modalities in conjunction with manual therapies. Discussion includes the appropriateness of ancillary modalities as a single therapy or as a therapy in conjunction with other forms of care.

Lectures/workshops: 2 hours per week; practicals (small groups): 2 hours per week.

Prerequisites: Enrolment in BSc/BChiro and the successful completion of CHI301 Processes in Human Disease, CHI302 Diagnosis and Chiropractic Skills, CHI303 Primary Practice I: Clinical Science and Diagnosis, and CHI304 Clinical Orthopaedics and Neurology.

**Plant Biosecurity in Practice (BIO538)**

Credit Points: 3

MURDOCH: S1-external

The broad aims of this unit are to introduce you to the regulatory framework and phytosanitary measures that apply to import and export of plant material and plant products, and explain the concepts of the plant biosecurity continuum, and the drivers behind plant biosecurity practices. On successful completion of the unit you should understand the contextual framework required for effective plant biosecurity practice, and be able to interpret plant health regulations in relation to market access (import and export).

This unit is delivered online.

Prerequisites: Enrolment in a graduate-level course. Students who wish to enrol in this unit as 'not for award' will be considered on a case by case basis.

**Plant Biosecurity: Detection and Diagnostics (BIO537)**

Credit Points: 3

MURDOCH: S1-external

This unit will introduce students to the tools and technologies required for effective detection and diagnosis of emergency plant pest and diseases. It includes a comprehensive overview of surveillance and diagnostic methods, with particular emphasis in the following areas: sampling and survey methods, monitoring strategies, and traditional (taxonomy and microscopy) and advanced (molecular and biochemical) diagnostics. This unit will also cover the requirements for certification of diagnostic laboratories and diagnostic protocols, decision making tools and reporting networks/databases.

This course is delivered online.

Prerequisites: Enrolment in a graduate-level course. Students who wish to enrol in these units as 'not for award' will be considered on a case by case basis.

**Plant Biotechnology and Proteomics (BIO253)**

Credit Points: 4

MURDOCH: S1-internal

This unit provides the latest information and practical training, including applications of molecular biology to crop improvement, plant pathology, gene mapping, marker-assisted breeding, proteomics (analysis and characterisation of proteins) and genetically modified plants. In practical classes students will undertake experiments in plant tissue culture, the production and analysis of transgenic plants, proteomic analysis using mass spectroscopy, molecular diagnostics, gene mapping and plant pathology. The benefits and ethical issues relating to commercial growth of genetically manipulated crops are also discussed.

Lectures: 3 hours per week; laboratories: 4 hours per week.

Prerequisites: BIO152 Cell Biology.

**Plant Biotechnology and Proteomics (BIO355)**

Credit Points: 3

Not available this year

This unit provides the latest information and practicals in plant biotechnology, and analysis of proteins. It covers applications of molecular biology to crop improvement, including plant tissue culture, marker-assisted breeding, gene mapping, plant genomics and proteomics, molecular plant pathology and transgenic (genetically modified) plants. In practical classes students will undertake experiments in tissue culture, production of transgenic tissues, proteomic analysis using mass spectroscopy, diagnostics, gene mapping and plant virology. The deployment of transgenic crops is discussed in group presentations.

Lectures: 3 hours per week; laboratories: 4 hours per week.

Prerequisites: BIO152 Foundations of Cell and Molecular Biology and BIO248/BIO212 Genetic Engineering

Exclusions: Students who have successfully completed BIO253 Plant Biotechnology and Proteomics may not enrol in this unit for credit.

**Plant Diversity (BIO245)**

Credit Points: 3

MURDOCH: S1-internal

This unit explores the evolution and incredible diversity of plants from algae to angiosperms. Particular emphasis is placed on the movement of plants onto land and the structural changes which enabled them to adapt to an ever changing climate. Diversity in form and function and the relationships between the plant groups is presented within a phylogenetic framework. Practical sessions examine the morphological characteristics and reproduction of the plant groups.

Lectures: 3 per week, laboratories: 4 hours per week (9 weeks in total), 1 graded tutorial in week 13.

Prerequisites: BIO103 Introduction to Environmental Biology or BIO180 Introduction to Marine Biology.

Exclusions: Students who have successfully completed BIO265 Plant Diversity or BIO287 Plant Diversity (Marine Science) may not enrol in this unit for credit.

**PLC Applications (ENG501)**

Credit Points: 3

MURDOCH: S1-internal

This unit provides the basics of computer based measurement and control by exploring PLC and PAC systems. The strong laboratory component provides students with practical experience in using

these systems in an industry environment. Students are expected to design, commission and test small scale systems involving programming, networking and interfacing to instruments.

Meetings/laboratories: by arrangement with the Unit Coordinator.

Prerequisites: Enrolment in the ME or permission of the Engineering Academic Chair.

Students will be expected to have experience in at least one programming language and some fundamental knowledge of electrical circuits and electronics.

**PLC Systems (ENG305)**

Credit Points: 4

MURDOCH: S1-internal

This unit provides a thorough understanding, knowledge and practical experience in using PLC systems for measurement and control in an industrial process setting. Topics include: PLC categories, types; project oriented development environment; hardware configuration; digital I/O; ladder logic, STL, FBD; logic operations, timers, counters; simulators; numerical and interrupt processing; process simulation, analog I/O, PID control; state based design and implementation; operator panels, networking, I/O modules, remote I/O; SCL, GRAPH; multiple PLC project development and documentation.

Lectures: 2 hours per week; workshops: 2 hours per week; laboratories: 4 hours per week.

Prerequisites: ENG109 Computing for Scientists and Engineers; ENG262 Principles of Electronic Instrumentation.

**PLC Systems (ENG311)***As for ENG305 except:*

Credit Points: 3

Not available this year

**Policing and Crime Prevention (CRM201)**

Credit Points: 3

MURDOCH: S1-internal

This unit provides students with both applied and theoretical perspectives on the issue of crime prevention strategies. Students will study the three broad theoretical perspectives in crime prevention (Policing, Situational, and Developmental) and then examine the difficulty faced by modern police forces in protecting the community.

Lectures/seminars: 2 hours per week.

Prerequisites: Enrolment in Bachelor of Criminology or successful completion of LEG120 Legal Research, CRM100 Introduction to Criminology, and LEG100 Law, Justice and Social Policy.

**Policy Design (SWM614)**

Credit Points: 3

MURDOCH: S2-internal

The design of effective policy requires an understanding of the connections between policy problems, political context and policy development. This unit examines the factors that shape the success of policy initiatives and considers how the combination of ideas and agendas, institutional settings, the choice of instruments, and the political context underpin policy decision-making and design. Students are provided with the conceptual tools and methodological insight to examine the practical and strategic dimensions involved in the design of public policy.

Seminars and workshops are delivered in intensive teaching mode



(24 hours contact time), which may include evenings and weekends. Students will then complete research assignments independently, in consultation with teaching staff.

Prerequisites: Enrolment in Master of Public Policy and Management, Master of Development Studies or Master of International Affairs.

Exclusions: Students who have successfully completed SSH614 Policy Design may not enrol in this unit for credit.

### **Policy Research and Evaluation (SWM516)**

Credit Points: 3

MURDOCH: S1-internal

Knowledge and evidence are important elements in public policymaking. This unit considers the role of evidence-based research and systematic analysis in the development of policy. It demonstrates the key function of policy evaluation as part of policy learning processes. The iterative and innovative dimensions of policy research and evaluation will be explored through practical examples and exercises. The unit will assist students to acquire the critical capacities and skills used in the generation and development of policy initiatives.

Seminars and workshops are delivered in intensive teaching mode (24 hours contact time), which may include evenings and weekends. Students will then complete research assignments independently, in consultation with teaching staff.

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students who have successfully completed SSH616 Policy Research and Evaluation may not enrol in this unit for credit.

### **Political Philosophy for Fun and Profit (POL342)**

Credit Points: 3

Not available this year

Up to 3 hours per week.

Prerequisites: Nil.

Exclusions: Students who have completed POL223 Political Philosophy for Fun and Profit may not enrol in this unit for credit.

### **Political Violence (SWM643)**

Credit Points: 3

MURDOCH: S2-internal

Political violence manifests itself at all levels of social and political organisation. This unit explores the complex relationship between violence, politics and society and how political violence shapes the modern world. It incorporates a variety of theoretical perspectives together with empirical analyses of political violence, with particular emphasis on modern South-East Asia. The unit considers the use of violence by both state and non-state actors, with areas covered including terrorism, war, state violence, communal conflicts, insurgencies and structural violence.

Lectures, structured group discussions and workshops are delivered in intensive teaching mode (24 hours of contact time). Students will then complete research assignments independently, in consultation with teaching staff.

Prerequisites: Enrolment in a graduate-level course.

### **Politics and Security in South Asia (POL237)**

Credit Points: 3

Not available this year

Aims to develop a critical understanding of the nature of political and security challenges confronting the South Asian region and how these challenges impact upon global security; the relationship between politics, security and terrorism in South Asia; the appropriate counter-terrorism measures that have been taken by affected states; and the 'out-of-the-box' solutions to security problems confronting South Asia. While a regional perspective will be adopted, the unit will place particular emphasis on India, Pakistan, and Afghanistan.

Lectures: 1 x 90 minutes per week; tutorials, 1 x 1 hour per week.

Prerequisites: Nil.

Exclusions: Students who have completed POL218 Politics and Security in South Asia may not enrol in this unit for credit.

### **Politics and Security in South-East Asia: Terrorists, Gangsters and the State (POL213)**

Credit Points: 4

Not available this year

This unit examines the emergence and interrelationship of a broad range of security issues in the Southeast Asian Region. The unit adopts a critical approach towards a range of non-traditional security issues such as politically motivated violence and organised crime. Topics such as drug smuggling, urban gangs and terrorism will be discussed. The responses to these issues by government and states as well as the implications these hold for our understanding of 'security' itself will be critically evaluated.

Lectures: 1.5 hour per week; tutorials: 1 hour per week.

Prerequisites: Nil.

### **Politics and Security in South-East Asia: Terrorists, Gangsters and the State (POL338)**

Credit Points: 3

Not available this year

This unit examines the emergence and interrelationship of a broad range of security issues in the Southeast Asian Region. The unit adopts a critical approach towards a range of non-traditional security issues such as politically motivated violence and organised crime. Topics such as drug smuggling, urban gangs and terrorism will be discussed. The responses to these issues by government and states as well as the implications these hold for our understanding of 'security' itself will be critically evaluated.

Lectures: 1.5 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil.

Exclusions: students who have completed POL213 Politics and Security in South-East Asia: Terrorists, Gangsters and the State may not enrol in this unit for credit.

### **Politics, Journalism and Society (JOU340)**

*As for MCC240 except:*

Credit Points: 3

Not available this year

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**Politics, Journalism and Society (MCC240)**

Credit Points: 4

MURDOCH: S2-internal  
DUBAI-ISC: TMD-internal  
SGP1: TMB-internal

The unit considers the relationship, roles and functions of the journalist in modern society. Students will investigate a range of issues which highlight the political and cultural significance of journalism in society, its application in the multi-platform media age and its practice in a range of subset disciplines, such as war reporting, business journalism, and its interaction with public relations.

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

**Politics, States and Development (SWM530)**

Credit Points: 3

MURDOCH: S1-internal

States play an important role in development, with that role often being influenced by the foreign policy and political economy drivers of international aid and donor countries. These issues are critically examined in terms of: 'good governance' promotion; state fragility and state-building; aid politics in traditional and emerging donors; and social protection and welfare policy. Aim: to equip students with the critical frameworks to comprehend debates over the role of politics and the state in international development.

Seminars and workshops are delivered in intensive teaching mode (24 hours contact time), which may include evenings and weekends. Students will then complete research assignments independently, in consultation with teaching staff. 5 workshops (1 x 4 hours, 4 x 5 hours)

Prerequisites: Enrolment in Graduate Certificate in Development Studies, Master of Development Studies, Master of Public Policy Management and Master of International Affairs.

Exclusions: Students who have successfully completed SSH630 Politics of Development may not enrol in this unit for credit.

**Pollution and its Control (ENG221)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

An introduction to the study of pollution and its control, particularly discussing the relationship between wastewater and pollution. Examines the impacts of wastes on the environment, the ability of nature to assimilate wastes, and the natural physical, chemical and biological assimilative processes. Develops basic scientific and technical skills for pollution assessment with respect to the source, composition and characteristics of the wastes. Examines available technologies for pollution control and protection of water quality from municipal, urban, agricultural and industrial sources.

Lectures: 2 x 1 hour per week; practical work: 1 x 3 hours per week for 8 weeks; workshops: 1 x 2 hours per week for 4 weeks.

External students should note that this unit has a compulsory on-campus component. Due to the nature of offering this unit, students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

Prerequisites: ENV102 Foundations of the Environment and CHE144 Foundations of Chemistry, or approval from the Unit Coordinator.

**Popular Literature and Science Fiction (EGL230)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit combines analysis of popular literature's cultural impact with close readings of texts from several genres, emphasising so-called speculative, or science fiction. In this unit we investigate the origins of various generic elements of popular fiction, developing an understanding of their historical and social basis, and their political potential. We explore the use of SF tropes and techniques in postmodern literature, and investigate how such texts engage with the political and philosophical potential of fiction.

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

**Popular Music (RAD374)**

Credit Points: 3

MURDOCH: S2-internal

Students will study the major streams of western popular music such as folk, country, blues, jazz, rock and roll, and hip hop, to discover the many ways in which these styles have influenced each other and the mainstream. The interweaving of popular music and its surrounding society and popular culture, the way the music business acts on and reacts to musical trends, technology's effect on popular music, and the evolution of the musical artist as branded product, will be explored.

Lectures/seminars: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed MCC274 Popular Music may not enrol in this unit for credit.

**Portfolio and Promotion for Designers (IDD337)**

Credit Points: 3

Not available this year

This unit provides an opportunity for students to produce an industry-level project as well as develop a professional portfolio showcasing a larger body of work developed throughout their degree. Students will also be introduced to promotion strategies in order to advertise their portfolios.

Online lecture; media laboratories: 3 hours per week

Prerequisites: MCC263 Web Design or IDD338 Advanced Web Design; and IDD201 Publication Design

Exclusions: Students who have successfully completed IDD337 Response and Adaptive Web Design may not enrol in this unit for credit.

**Postgraduate International Study Tour (MBS672)**

Credit Points: 3

Not available this year

Provides business managers with cross-cultural skills and knowledge to establish productive business relationships in China and to establish and manage business ventures for foreign companies operating there. Topics: Chinese commercial negotiating styles; bargaining strategies; cultivating trust, building influence networks; decision making processes; contracts; business customs, etiquette; conflict; market entry modes; levels of government for approvals and licenses; joint venture partner selection; joint venture negotiations, structures, staffing and control; political systems and structures.

Prerequisites: Enrolment in a graduate-level course.

**Postwar Japan (JPN514)**

Credit Points: 3

Not available this year

This unit examines Japan from 1952 to the present. It traces the great changes that took place as Japan established itself as a major world power, but also acknowledges the persistent influence of the Second World War over later events and perceptions. Topics include the influence of television, the Tokyo Olympics and the political quest to become a 'normal nation' in the 21st century.

Lectures: 2 hours per week; tutorials: 1 hour per week.

**Power Electronic Converters and Systems (ENG318)***As for ENG349 except:*

Credit Points: 3

Not available this year

**Power Electronic Converters and Systems (ENG349)**

Credit Points: 4

MURDOCH: S1-internal

The unit introduces power electronic converters and systems. It covers modern power semiconductor devices, uncontrolled, semi-controlled and PWM rectifiers, AC voltage controllers, DC-DC converters, PWM inverters, variable speed DC and AC drives, volts/Hz speed control in AC machines. A wide range of industrial applications of power electronic systems is presented.

Lectures: 1 x 2 hours per week; workshops: 1 hour per week; laboratories: 1 x 3 hours per week.

Prerequisites: ENG243 Circuits and Systems II; ENG262 Principles of Electronic Instrumentation.

Co-requisite MAS261 Mathematical Methods.

**Power System Economics and Electricity Markets (ENG561)**

Credit Points: 3

Not available this year

This unit discusses the economic theory and practice associated with the operation and management of the electrical network, including economic dispatch. It introduces the electricity markets and discusses the need for economic operation within the deregulated industry, covering transmission transactions and the technical and economic issues associated with them.

Meetings/laboratories: by arrangement with the Unit Coordinator.

Prerequisites: Enrolment in ME.

**Power System Monitoring, Diagnostics and Maintenance (ENG557)**

Credit Points: 3

Not available this year

This unit discusses monitoring and diagnostics technologies associated with the operation and management of the power system. It also covers maintenance procedures and planning.

Meetings/laboratories: by arrangement with the Unit Coordinator.

Prerequisites: Enrolment in ME.

**Power Systems Protection (ENG682)**

Credit Points: 3

MURDOCH: S1-internal

This unit addresses the concepts, strategies and devices that can be applied in designing power systems protection for distribution lines, transmission lines, transformers, motors, generators and busbars. Strategies include overcurrent, distance, and differential protection schemes; relay coordination; ground-fault protection; and the use of symmetrical components for more sensitive fault detection. Special emphasis is given to using advanced capabilities in modern protective relay systems to improve power system reliability and performance.

Lectures/tutorials/meetings/laboratories: By arrangement with the Unit Coordinator.

Prerequisites: Enrolment in the Master of Engineering or permission of the Engineering Academic Chair.

**Power Systems Protection and Control (ENG451)**

Credit Points: 3

Not available this year

**Power Systems Protection and Control (ENG455)**

Credit Points: 4

MURDOCH: S1-internal

This unit studies the fundamental concepts associated with the operation and control of power systems. These concepts include reactive power compensation, economic dispatch, power flows and optimal load flow, stability and protection.

Lectures: 3 hours per week; workshops: 1 hour per week; laboratories: 2 hours per week.

Prerequisites: ENG267 Control Systems and Process Dynamics; ENG348 Power Transmission and Distribution Networks.

Co-requisites: ENG347 Electromechanical Energy Conversion; ENG349 Power Electronic Converters and Systems.

**Power Transmission and Distribution Networks (ENG323)***As for ENG348 except:*

Credit Points: 3

Not available this year

**Power Transmission and Distribution Networks (ENG348)**

Credit Points: 4

MURDOCH: S2-internal

This unit studies the key concepts behind the transmission and distribution of electrical energy. It covers topics such as transmission line modelling, distribution transformers, overhead lines, power flows, symmetric fault analysis, three-phase symmetrical components and non-symmetric fault analysis. This unit is supported by hardware experiments on power system components and software simulations of complete power systems.

Lectures: 3 hours per week; workshops: 1 hour per week; laboratories: 2 hours per week.

Prerequisites: ENG243 Circuits and Systems II; MAS261 Mathematical Methods OR MAS208 Mathematical Modelling.



### **Power, Government and Legal Accountability (LEG253)**

Credit Points: 3

Not available this year

This unit explores the rationale informing the development of administrative law and the ways in which administrative law principles such as 'procedural fairness', together with the development of 'freedom of information', independent ombudsmen and review tribunals all operate to hold government accountable and protect citizens rights and interests. The role of administrative law in areas of topical interest such as the environment, equal opportunity, and immigration are considered as appropriate.

Lectures/seminars: up to 3 hours per week.

Prerequisites: LEG150 Australian Legal System.

Exclusions: Students who have successfully completed LEG153 Introduction to Administrative Law may not enrol in this unit for credit. Students enrolled in LLB/BA (Criminology) combined degree may not enrol in LEG253 Power, Government and Legal Accountability.

### **Practical Applications of Epidemiology (VET642)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit will provide students with the skill required to apply epidemiology to field situations. It will use practical examples to impart knowledge required for undertaking risk analysis and economic evaluation of disease surveillance and monitoring.

On-line discussions and workshops as required.

Prerequisites: Enrolment in Master of Veterinary Studies (Veterinary Surveillance), Master of Veterinary Studies (Conservation Medicine), Doctor of Veterinary Medical Science, Master of Veterinary Clinical Studies or permission of the Academic Chair. Completion of, or concurrent enrolment in, VET641 Principles of Epidemiology.

### **Practical Metallurgical Processing (ENG562)**

Credit Points: 6

MURDOCH: H-external, Y-external

This unit combines hydrometallurgical and pyrometallurgical theory with practice. Leaching, solvent extraction, electrowinning, ion exchange, carbon-in-pulp gold processing, roasting, fire assay and mineralogical exercises will be completed. Students will experience working with pyrometallurgical and hydrometallurgical equipment. The application of thermodynamic and kinetic principles to extractive metallurgy will be emphasised, and students will learn how to use thermodynamic modelling software and interpret modelling outputs.

Students will be expected to spend significant time outside of time-tabled sessions preparing for and reporting on time-tabled sessions.

Students will be expected to attend two compulsory up to 15-day on-campus laboratory and workshop sessions during the year. Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

Prerequisites: Enrolment in Graduate Diploma Extractive Metallurgy. Students undertaking ENG562 in H mode must have completed or be concurrently enrolled in EXM131 Introduction to Extractive Metallurgy, EXM556 Process Mineralogy and EXM557 Extractive Metallurgy.

Students undertaking ENG562 in Y mode must have completed or be concurrently enrolled in CHE130 Introduction to Earth Sciences, EXM524 Principles of Unit Operations and EXM504 Mineral Processing.

Exclusions: Students who have successfully completed EXM506 Extractive Metallurgy Practicum or EXM507 Mineral Processing Practicum may not enrol in this unit for credit.

### **Practical Methods of Instruction (EDN541)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit provides practical instruction about effective teaching strategies that can be used in a variety of settings (with an emphasis on tertiary and adult education). Topics cover lecturing, assessment, managing teaching teams and tutors, holding seminars and small group discussions, supporting group work and collaborative learning, student diversity, international students, academic integrity, external students, online teaching and ICTs. By the end of the unit, students will have learned concrete ways to assess and improve their teaching practice.

Lectures: 1 hour per week; tutorials: 2 hours per week.

Prerequisites: Enrolment in a Graduate qualification or permission of the Unit Coordinator.

### **Pre-clinical Practicum (CHI484)**

Credit Points: 6

MURDOCH: Y1-internal

Introduction to clinical practice, observing senior students in the MUCC as they undertake patient histories, physical examinations, treatments, and discussions with clinical supervisors, thus developing skills themselves in these areas. Orientation to clinic policies and procedures. Ethical and legal issues such as privacy, confidentiality and record keeping will be introduced throughout the unit. Refreshment on examination and adjusting techniques as well as management of problematic cases is presented in workshops and laboratory sessions.

Lectures and/or workshops: 2 to 6 hours of clinical work per week varying through the trimesters; 1 lecture; 1 workshop/laboratory session per week.

Prerequisites: Enrolment in BSc/BChiro and the successful completion of Years 1 to 3.

Exclusions: Students who have successfully completed CHI4841 Pre-clinical Practicum may not enrol in this unit for credit.

International students enrolled in B1193 Bachelor of Science in Chiropractic/Bachelor of Chiropractic prior to 2009 should enrol in CHI4841 Pre-clinical Practicum.

### **Pre-clinical Practicum (CHI4841)**

**As for CHI484 except:**

Not available this year

Exclusions: Students who have successfully completed CHI484 Pre-clinical Practicum may not enrol in this unit for credit.

### **Preparing for Professional Community Practice (COD303)**

Credit Points: 3

Not available this year

This 'capstone' unit provides an opportunity for students to articulate, develop and apply intellectual reflection to their own personal and professional practice framework. It provides students

with a chance to explore the written work of author-activists working in different contexts and historical periods. Students will use the unit to draw together previous study and extend their repertoire for describing community development practice.

Prerequisites: COD125 Introduction to Community Development and COD235 Community Work across Sites, Settings and Peoples and COD355 Community and Social Policy.

### **Primary Curriculum IV (Humanities and Social Science, Science) (EDU286)**

Credit Points: 4

MURDOCH: S1-internal, S1-external

This unit aims to prepare students for facilitating student learning in two curriculum areas, 'Humanities and Social Sciences' and 'Science', with particular application to the primary classroom. The unit consists of two separate, but complementary strands, both of which promote the use of 'inquiry' or an investigative approach to learning.

3 hours per week for 11 weeks.

Prerequisites: Enrolment in a Teacher Education Course [BEd (Primary), BEd (Primary) (Graduate), BEd (Early Childhood and Primary, BEd (Primary)/BA (AIS)], and successful completion of EDU101/EDU1011 Introduction to Teaching OR BED150/EDN112/EDN1121 Understanding Teachers' Work and successful completion of EDU3153 School Experience: Primary BEd or EDN3100 Professional Experience Primary.

Exclusions: Students who have successfully completed E283 Studies of Society and Environment (formerly E283 Social Studies and the Primary Curriculum) and E284 Science and the Primary Curriculum may not enrol in this unit for credit.

Students are recommended to enrol in EDU3154 School Experience: Primary BEd in the same semester.

### **Primary Curriculum IV (Humanities and Social Science, Science) (EDU286)**

*As for EDU286 except:*

Credit Points: 3

MURDOCH: S1-external

3 hours per week for 11 weeks

Prerequisites: Enrolment in BEd (Primary) or GradDipEd (Primary) plus successful completion of either EDU101/EDU1011 Introduction to Teaching OR BED150/EDN112/EDN1121 Understanding Teachers' Work.

Exclusions: Students who have successfully completed E283 Studies of Society and Environment (formerly E283 Social Studies and the Primary Curriculum) and E284 Science and the Primary Curriculum may not enrol in this unit for credit.

### **Primary Health Care (NUR153)**

Credit Points: 3

PEEL: S2N-internal

This unit will explore the evolution of Primary Health Care and its roles and philosophies within contemporary community health nursing. Using an ecological approach, the social, biological and cultural determinants of health will be examined. The theory and practice of health promotion will be explored along with models of illness and injury prevention. Students will develop an understanding of community nursing within a Primary Health Care framework, and its roles in diverse contextual settings.

Lectures: 1 hour per week; tutorials: 2 hours per week.

Prerequisites: NUR100 Introduction to Nursing Practice, NUR103 Contemporary Nursing Practice

Exclusions: Students who have successfully completed NUR301 Family and Community Health may not enrol in this unit for credit.

### **Primary Practice I: Clinical Science and Diagnosis (CHI303)**

Credit Points: 4

MURDOCH: S1-internal

This unit is divided into clinical sciences, diagnosis, and neurology radiological diagnosis sections. It develops a principles approach to clinical pathology and neurology from a cellular level to organ failure -- focusing on neurology and systemic pathophysiology -- while utilising a case-study approach with diagnostic workshops to illustrate the concepts presented. The radiological presentations of selected musculoskeletal and visceral disorders are integrated; while practical lab times are used to further develop skills in image interpretation.

Lectures/workshops: 4 hours per week; practicals: 4 hours per week. For radiology component: 1 to 2 hours per week assigned small group sessions during second half of semester, 8 hours of open radiology lab time for the semester.

Prerequisites: Enrolment in BSc/BChiro and successful completion of Years 1 and 2.

### **Primary Practice II: Physical Rehabilitation I (CHI442)**

Credit Points: 2

MURDOCH: T1-internal

Focuses on collection of patient data necessary to develop and implement a physical rehabilitation program to complement or succeed the initial treatment plan. Builds on the development of competencies in performing physical examination procedures for purposes of differential diagnosis. Refines physical examination and implements functional examination skills for assessing the neuromusculoskeletal systems and also introduces procedures for examining fitness parameters.

Lectures: 2 hours per week; laboratories: 2 hours per week.

Prerequisites: Enrolment in BSc/BChiro and successful completion of BSc(Chiro), or enrolment in Bachelor of Sports Science or enrolment in the BEd (Sec)/Sport Science or permission of the Academic Chair.

Exclusions: Students who have successfully completed CHI411 Primary Practice II: Physical Rehabilitation cannot enrol in this unit for credit.

### **Primary Practice III: Differential Diagnosis I (Musculoskeletal) (CHI443)**

Credit Points: 2

MURDOCH: T2-internal

This unit stresses clinical decision making. It builds on earlier diagnosis units, further developing students' diagnostic and patient management skills. Focusing on the differential diagnosis of the patient's presenting complaint; consideration is given to the differential diagnosis of symptoms suggesting dysfunction of the musculoskeletal system and how to manage the patient appropriately.

Lectures: 2 hours per week; tutorials: 1 hour per week; 6 hours self directed learning.

Prerequisites: Enrolment in BChiropractic and successful completion of BSc(Chiropractic).

Exclusions: Students who have successfully completed CHI413  
Primary Practice IV: Differential Diagnosis II cannot enrol in this unit for credit.

### Primary Practice IV: Differential Diagnosis II (CHI444)

Credit Points: 2

MURDOCH: T1-internal (quota of 90 places)

This unit focuses on common clinical presentations related to the body systems and the clinical decision-making process (differential diagnosis) associated with the development of probable diagnoses. Principles of management will be addressed and the role of chiropractor emphasised, within the context of the broader healthcare system. The unit builds upon prior clinical units to provide the opportunity for students to gain the knowledge, skills and behaviours for the safe and appropriate management of patients in clinical practice.

Lectures: 2 hours per week; practical laboratories: 2 hours per week.

Prerequisites: Enrolment in BSc/BChiropractic and successful completion of BSc(Chiropractic).

This unit is subject to quota. Quota is due to limited resources and space requirements. Preference will be given to students in the Bachelor of Chiropractic.

### Primary Practice V: Physical Rehabilitation II (CHI445)

Credit Points: 2

MURDOCH: T2-internal

Refines physical examination and implements functional examination skills for assessing the musculoskeletal systems and rehabilitation procedures.

Lectures: 2 hours per week; laboratories: 2 hours per week.

Prerequisites: Enrolment in BSportsSc, BEd(Secondary)/BSportsSc or enrolment in BSc/BChiropractic with successful completion of CHI442 Primary Practice II: Physical Rehabilitation I.

Exclusions: Students who have successfully completed CHI411  
Primary Practice II: Physical Rehabilitation cannot enrol in this unit for credit.

### Primary Practice VI: Pharmacology (CHI446)

Credit Points: 2

MURDOCH: T1-internal

This unit continues students' previous training in the area of physical and differential diagnosis implementing the general principles of pharmacology in a clinical environment. It will provide an understanding of the basic concepts and principles of pharmacology such as: standard definitions; sources of drugs; drug names and classifications; routes of administration; drug action; absorption; bioavailability; distribution; metabolism; excretion; and adverse reactions and will also provide an understanding of how drugs work in the various systems of the body.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Enrolment in BSportsSc, BSc(Exercise Physiology) or enrolment in BSc/BChiropractic with successful completion of BSc(Chiropractic).

Exclusions: Students who have successfully completed CHI414  
Primary Practice V: Diagnosis and Pharmacology cannot enrol in this unit for credit.

### Primary Practice VI: Pharmacology (CHI447)

*As for CHI446 except:*

Credit Points: 3

Not available this year

### Principles and Practice of Neuromusculoskeletal Rehabilitation (CHI681)

Credit Points: 4

Not available this year

Introduction to principles and practice of neuromusculoskeletal rehabilitation, emphasising the biopsychosocial model and active care including consideration of the range of factors influencing clinical decision-making such as normal and abnormal function (physiology and pathophysiology), normal and abnormal biomechanics, structure (morphology), pathology, humanistic factors and patient/client assessment. Workshops highlight a practical approach to the physical performance evaluation, sparing strategies, stabilising strategies, assessment and management of muscle imbalance and facilitation of muscular agonist-antagonist co-activation by reflex stimulation methods.

External.

Prerequisites: Enrolment in the Master of Sports Science, Postgraduate Certificate in Neuromusculoskeletal Rehabilitation or Postgraduate Diploma in Neuromusculoskeletal Rehabilitation, or with the permission of the Academic Chair.

### Principles and Practices in Early Childhood Education (EDN320)

Credit Points: 4

MURDOCH: S1-internal, S1-external

This unit addresses theories of play and development, learning, and pedagogy for young children in the years Kindergarten to Year 2. It offers a theoretical base alongside practical applications for students to develop their skills as early years educators and a philosophy of early childhood pedagogy.

Lectures: 1 per week; workshops: 2 hours per week.

To complete Assignment 2 students will need to locate an early childhood centre to undertake a case study. Details are provided in the Unit Information and Learning Guide which will be available online at the commencement of the semester.

Prerequisites: BEd (Primary) or BEd (Early Childhood 0-8), and EDN221 Learning, Teaching and Assessment 1, or completion of EDU241 Processes of Learning or EDU242 Processes of Learning and Assessment.

Exclusions: Students who have successfully completed EDU322 Principles and Practices in Early Childhood Education or EDU3221 Principles and Practices in Early Childhood Education may not enrol in this unit for credit.

Students enrolled in the Pre 2014 BEd (Early Childhood and Primary) structure must enrol in the 6-point version EDN3201 Principles and Practices in Early Childhood Education.

### Principles and Practices in Early Childhood Education (EDN3201)

*As for EDN320 except:*

Credit Points: 6

MURDOCH: S1-internal, S1-external

Lectures: 1 hour per week; workshops: 2 hours per week.

5 distributed days of school experience in a kindergarten or

pre-primary in addition to those required for the BEd (Primary) (equivalent of 30 hours).

Prerequisites: Enrolment in BEd (Primary) and Early Childhood Education minor OR BEd (Early Childhood and Primary) OR BEd (Early Childhood 0-8).

The School of Education will arrange your placement if you are a metro or Rockingham student. Non-metro and interstate/overseas students will need to find a suitable placement.

Pre-service teachers must have two current mandatory checks on record in the Murdoch University School of Education Professional Experience Office prior to commencement of this placement: Department of Education National Police History Check and a WA Working with Children Check. Refer to the School of Education Professional Experience website for details:

<http://www.murdoch.edu.au/School-of-Education/Professional-Experience/Checks-and-clearances/>

Pre-service Teachers must submit a Placement Form to the School of Education Professional Experience Office by the due date. A Placement Form activates the placement process and guarantees a school placement. Placement details will be available on SONIA (the School of Education placement database) at <https://myplacement.murdoch.edu.au/SoniaOnline>

### Principles and Practices in Early Childhood Education (EDN355)

*As for EDN320 except:*

Credit Points: 3

MURDOCH: S1-internal, S1-external

Lectures: 1 hour per week; workshops: 2 hours per week.

Prerequisites: Successful completion of BED150/EDN112/EDN1121 Understanding Teachers' Work, and successful completion of or co-enrolment in EDN208/EDN221 Learning and Teaching.

Exclusions: Students who have successfully completed EDN320/3201 Principles and Practices in Early Childhood Education OR EDN322/3221 Integrated Early Childhood Curriculum may not enrol in this unit for credit.

### Principles of Commercial Law (BUS165)

Credit Points: 3

DUBAI-ISC: TJD-internal, TSD-internal

This unit introduces students to the Australian legal system, its operation and development, and to the principles of law applicable to core areas of business, such as contract law, tort law and agency law. Students studying Business will usually find this unit essential and prerequisite to further studies.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed BSL65 Principles of Commercial Law may not enrol in this unit for credit. Students enrolled in Bachelor of Laws in Law (LLB) may not enrol in this unit for credit.

### Principles of Computer Science (ICT104)

Credit Points: 3

DUBAI-ISC: TJD-internal, TMD-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

This unit is designed to develop the skills of problem solving and program design using the Java programming language. Major topics: algorithm design; procedural abstractions; the use of libraries as collection of black-box code modules; the concepts of pre- and post-conditions; strings, arrays, introduction to

object-oriented concepts including data abstraction, encapsulation, classes and object references, inheritance; introduction to recursion; streams and file input and output; the definition and use of common classes -- lists, stacks and queues.

Lectures: 2 hours per week; tutorials: 2 hours per week.

Prerequisites: ICT102 Introduction to Computer Science. External enrolment is restricted to students with independent access to adequate computing facilities and software or to students with access to the campus computers by attendance.

### Principles of Computer Science (ICT167)

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit is designed to develop the skills of problem solving and program design using an Object Oriented programming language. Major topics: algorithm design; procedural abstractions; the use of libraries as collection of black-box code modules; the concepts of pre- and post- conditions; strings, arrays, introduction to object-oriented concepts including data abstraction, encapsulation, classes and object references, inheritance; introduction to recursion; streams and file input and output; the definition and use of common classes - lists, stack and queues.

Lectures: 1 x 2 hours per week; computer laboratories: 1 x 2 hours per week.

Prerequisites: ICT159 Foundations of Computer Programming OR ICT102 Introduction to Computer Science.

Exclusions: Students who have completed ICT104 Principles of Computer Science may not enrol in this unit for credit.

### Principles of Counselling 1 (CSL582)

Credit Points: 6

MURDOCH: S1-internal

PEEL: S2-internal

Being a counsellor is a lifelong process of learning, professional and personal growth. The aims of this unit are to expand students' knowledge of major theoretical frameworks for understanding human nature and causes of human distress, whilst providing the opportunity to develop and practice associated core elements that pay particular attention to relational approaches to counselling and psychotherapy. This unit is a thorough introduction to the practice of counselling and the basis for all other coursework in the programs.

Murdoch campus: lectures: 3 hours; tutorials: 2 hours per week.  
Peel campus: lectures: 3 hours; tutorials: 3 hours per fortnight.

Prerequisites: Enrolment in the Graduate Certificate or Graduate Diploma of Counselling or Master of Counselling or permission of the Counselling Academic Chair.

Exclusions: Students who have successfully completed CSL582 or PSY582/531 Counselling: Principles of Counselling 1 may not enrol in this unit for credit.

### Principles of Counselling 2 (CSL684)

Credit Points: 3

MURDOCH: S2-internal

This unit further develops and strengthens essential counselling skills. Core elements include learning a broader range of advanced counselling skills, development and understanding of skills and interpersonal abilities required to engage in and maintain constructive therapeutic relationships, respond to client specificity, and manage the more challenging aspects in counselling. The unit also covers working with people of different cultures. At the end of

the unit, students will be able to outline a well-informed philosophy of their counselling practice.

Lectures/seminars: 3 hours per week.

Prerequisites: Enrolment in the Master of Counselling and completion CSL679 previously PSY522/PSY579 Counselling; Placement and Supervision Group 1, or permission of the Counselling Academic Chair.

Exclusions: Students who have successfully completed PSY684/532 Counselling: Principles of Counselling 2 may not enrol in this unit for credit.

### Principles of Electronic Instrumentation (ENG207)

Credit Points: 3

MURDOCH: S2-internal, SUM-internal

This unit offers students a background in analogue electronics and instrumentation so that students are able to select the most appropriate instrumentation system for a given engineering measurement and control problem. It covers diodes, bipolar junction transistors, field effect transistors and their small and large signals models. It considers differential and operational amplifiers, their ideal and non-ideal behaviour and instrumentation amplifiers. Applications are considered in signal conditioning, active filtering, oscillators, voltage and current regulation.

Lectures: 1 x 2 hours per week; workshops: 1 x 2 hour per week; laboratories: 1 x 3 hours per week.

Prerequisites: ENG125 Circuits and Systems I; MAS182 Applied Mathematics.

Exclusions: ENG262 Principles of Electronic Instrumentation.

### Principles of Environmental Impact Assessment (ENV556)

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit teaches the theories of Environmental Impact Assessment (EIA), focusing on the policy and procedures involved. The origin, history and continuing evolution of EIA are covered from the perspective of both Australian and international practice. The role of EIA as a planning and management tool along with strategic assessment are covered. The preparation and review of various EIA documents with an emphasis on international best practice and the political nature of environmental decision-making are covered.

Workshops: 4 x 1 day (8 hours) sessions.

Prerequisites: Enrolment in Bachelor Environmental Science or Bachelor Marine Science or Graduate Certificate in Environmental Assessment and Management or Graduate Diploma in Energy and the Environment or Master of Sustainable Development.

Exclusions: Students who have successfully completed ENV520 Principles of Environmental Impact Assessment may not enrol in this unit for credit.

### Principles of Epidemiology (VET641)

Credit Points: 3

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

This unit will provide students with the theoretical knowledge of epidemiology. It will cover disease frequency measurements and interpretation, patterns of disease, and diagnostic test evaluation and interpretation.

Online discussions and workshops as required.

Prerequisites: Enrolment in Masters of Veterinary Studies (Veterinary Surveillance), Master of Veterinary Studies (Conservation

Medicine), Doctor of Veterinary Medical Science, Master of Veterinary Clinical Studies or permission of the Academic Chair.

### Principles of Finance and Banking (BUS140)

Credit Points: 3

DUBAI-ISC: TMD-internal

This unit exposes students to the application of financial mathematics to various personal financial decisions including valuing debt, equity, and hybrid securities. In the process, characteristics of these securities are detailed and valuation incorporating the respective security's cash flows, time value of money and the associated risk are presented. The unit also addresses the principles of maximising shareholder wealth and firm value. The interplay between these principles is examined by consideration of information asymmetry between the different stakeholders.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil.

### Principles of Human Resources Management (BUS297)

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit introduces students to the function of human resources management within the organisation. It aims to give students an understanding of how effective implementation of human resource management practice offers benefits to both the organisation and the individual. Topics covered will include the historical development of the human resources movement; the relationship between human resources and other organisational functions; factors affecting recruitment and selection decisions; and tools used to manage staff performance.

Lectures: 1 hour per week; workshops: 2 hours per week

Prerequisites: BUS176 Foundations of Management and Governance

### Principles of Infectious Disease II - Veterinary Parasitology (VET278)

Credit Points: 3

MURDOCH: S2-internal

This unit in applied parasitology introduces the concept of parasitism and the diversity of parasitic organisms. The life cycles and transmission patterns of the major parasites of domestic animals in Australia are described. The interaction between hosts and parasites, leading to the disease, is covered in detail, as is the treatment of parasitic disease and the development of integrated approaches to parasite control. Special attention is given to the diagnoses of parasitic disease in livestock and companion animals.

Lectures: 3 hours per week; laboratory sessions: 3 hours per week.

Prerequisites: Enrolment in BSc (Veterinary Biology)/DVM and successful completion of all BSc (Veterinary Biology)/DVM Part I units or accepted equivalents; or Enrolment in the BSc (Animal Health).

### Principles of Infectious Diseases - Veterinary Microbiology (VET211)

Credit Points: 3

MURDOCH: S2-internal

This unit will provide basic knowledge and practical skills in microbiology relating to infectious diseases of animals. A generalist



and integrated approach to pathogenic microbiology is adopted, but includes separate sections on bacteria and viruses. Sections comprise an introduction to features of pathogenic micro-organisms including structure, metabolism, genetic composition, culture and identification. Emphasis is given to the mechanisms causing disease and to principles of diagnosis and control.

Lectures: 3 x 1 hour per week; workshops: 1 x 2 hours per week (weeks 1-4); laboratories: 1 x 3 hours per week (weeks 8-13) (Lab 1 - 2 hours; Lab 2 - 1 hour).

Prerequisites: Enrolment in BSc (Veterinary Biology)/Doctor of Veterinary Medicine or BSc Animal Health major.

### Principles of Information Systems (ICT107)

Credit Points: 3

DUBAI-ISC: TJD-internal, TSD-internal

This unit provides an introduction to the principles of information systems and informatics. The broad themes underpinning the information systems discipline are explored, including communication, representation, recording, problem solving, decision making, and systems theory; and the organisational and technical contexts essential for the design and development of information systems are covered. Tutorial and practical sessions complement the theory material.

Lectures: 2 hours per week; tutorials: 2 hours per week (1 hour unsupervised).

Prerequisites: Nil.

### Principles of Management (BUS145)

Credit Points: 3

DUBAI-ISC: TJD-internal, TSD-internal

This unit provides an introduction to the discipline and practices of management. Weekly workshops assist in generic skill development for business research, writing, analysis and oral presentations. Exercises, feedback and discussion in a supportive group environment emphasise techniques to develop individual skill acquisition and provide opportunities to experience how management practices operate within organisations. Weekly lectures will address topics such as business ethics, planning, decision making, contemporary management challenges, leadership, motivation, and approaches to control.

Lectures: 1 hour per week; workshops: 2 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed BUS176 Foundations of Management and Governance may not enrol in this unit for credit.

### Principles of Marketing (BUS169)

Credit Points: 3

DUBAI-ISC: TMD-internal

This unit provides an appreciation of how marketing relates to business, society and government. As the base Marketing unit, it introduces students to the marketing organisation and planning process, marketing research and information gathering methods and some of the analysis tools marketers use. Unit topics include the marketing function, the marketing organisation, marketing information systems and buyer behaviour - offline and online. The unit describes the importance of marketing to the strategic planning of an organisation.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed C213/TOU213 Tourism Marketing or BUS183 Foundations of Marketing may not enrol in this unit for credit.

### Principles of Mineral Processing (ENG324)

Credit Points: 3

Not available this year

Lectures/tutorials: 4 hours per week; laboratories: 2 hours per week.

Prerequisites: EXM131 Introduction to Extractive Metallurgy or EXN193 Introduction to the Minerals Industry, EXM256 Process Mineralogy or ENG205 Applied Mineralogy and EXM224 Principles of Unit Operations or approval by the Unit Coordinator.

Exclusions: Students who have successfully completed the unit EXM301 Mineral Processing may not enrol in this unit for credit.

### Principles of Physics (PEN152)

Credit Points: 3

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

This unit covers the principles of classical physics, which relate to engineering and metallurgy as well as physical, biological and health sciences. Content: motion in one and two dimensions, force, Newton's Laws, work, energy, momentum, non linear oscillatory and circular motion, heat, hydrostatics, flow rates, electricity, DC circuits, magnetism.

Lectures: 1 x 1 and 1 x 2 hours per week; workshops: 1 x 2 hours per week; laboratories: 5 laboratories at 3 hours each.

Prerequisites: Concurrent enrolment in MAS182 Applied Mathematics or MAS161 Calculus and Matrix Algebra; plus a final scaled score of 60% or more in WACE Physics 3A/3B or a pass in PEC120 General Physics.

Exclusions: Students may not enrol in this unit and PEC120 General Physics concurrently. Students who have successfully completed PEC152 Principles of Physics may not enrol in this unit for credit.

Students who have completed previous physics not listed in the prerequisites above should consult the Academic Chair for clarification of their enrolment.

Students who have completed previous mathematics not listed in the prerequisites above should consult the Academic Chair for clarification of their enrolment requirements.

### Principles of Process Engineering (ENG298)

Credit Points: 3

MURDOCH: S1-internal

In this unit students implement the knowledge gained in basic sciences to engineering applications through drawing flowcharts of a process, performing mass and energy balance calculations and applying these steps to industrial cases. Enhancement of problem solving skills is a major emphasis throughout this unit.

Lectures: 1 x 3 hours per week; workshops: 1 x 2 hours per week.

Prerequisites: MAS182 Applied Mathematics or MAS161 Calculus and Matrix Algebra; CHE140/PEC140 Introduction to Chemistry or CHE144/PEC144 Chemical Principles or ENG192 Energy, Mass and Flow.

**Principles of Unit Operations (ENG224)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

Main focus: General principles of unit operations which form the basis for mineral processing and extractive metallurgical plants including: mass and energy balances, elementary fluid mechanics and aspects of mass, energy and momentum transfer relevant to the above industries. Aspects of fluid flow phenomena, transportation and metering of fluids, agitation and mixing of liquids and pulps, principles of diffusion and mass transfer in liquids, pulps and between phases, and heat transfer processes will be considered and demonstrated using the laboratory component.

Lectures/tutorials: 4 hours per week; laboratories: 2.5 hours per week.

External: Internet access and compulsory 5-day on-campus laboratory and workshop session. Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

Prerequisites: MAS182 Applied Mathematics or MAS161 Calculus and Matrix Algebra; PEC152/PEN152 Principles of Physics or high school physics.

Exclusions: Students who have successfully completed ENG277 Process Engineering may not enrol in this unit for credit.

**7****Principles of Wildlife Comparative Pathology (VET605)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit aims to introduce students to the study of disease in wildlife, including causes, pathogenesis (mechanisms of disease development), presenting clinical signs, appropriate methods for diagnostic sampling, and applied skills such as necropsy and sample collection. The focus is on both individual pathology and disease in populations, covering common issues for wildlife including reptiles, mammals, amphibians and birds.

Tutorials: 1 x 2 hours per week.

**Principles of Wildlife Epidemiology and Disease Risk Analysis (VET606)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This course will provide students with a firm grounding in the principles of epidemiology, including disease causation, patterns of disease in populations, testing for disease and interpretation of results, and basic disease surveillance design principles. Students will also be introduced to Disease Risk Analysis tools for identifying hazards, estimating likelihoods and consequences of disease, and risk mitigation/communication strategies. There will be a specific focus on how to apply these methods to the investigation of wildlife disease.

Tutorials: 1 x 2 hours per week.

**Principles of Wildlife Health (VET604)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit will introduce students to core applied concepts required to undertake wildlife health investigations, including legislation and legal frameworks relating to roles of veterinarians versus ecologists/biologists, animal welfare and euthanasia, handling and restraint techniques, and diagnostic sampling. Focus will be on the

differences across taxa including mammals, reptiles, birds and amphibians. Students will also gain an understanding of the human health and safety issues associated with wildlife health investigations.

Tutorials: 2 hours per week

**Probability and Statistical Inference (MAS222)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit examines relevant topics in probability and statistics theory, including distribution theory, mathematical expectation and variance, and likelihood inference. Routine statistical methods such as one and two sample tests for means and proportions are derived and justified using this theory. The unit also introduces students to the derivation and implementation of new statistical methods using computer software to illustrate the flexibility of likelihood theory.

Lectures/tutorials: 7 hours per fortnight (5 x 1 hour lectures, 2 x 1 hour tutorials)

Prerequisites: MAS180 Introduction to Statistics OR MAS183 Statistical Data Analysis OR MAS223 Applied Statistics OR MAS224/MAS230 Biostatistical Methods OR MAS284 Applied Statistics and Process Management. In addition, students must have a calculus background equivalent to at least MAS182 Applied Mathematics.

**Process Control Engineering I (ENG304)**

Credit Points: 4

MURDOCH: S1-internal

This unit develops skills and practical experience in the control of process oriented systems. Specific topics include process models; high order, inverse response, time-delay and non-linear systems and control; disturbances, variable operating conditions; frequency response; theoretical process modelling; process identification; complex control structures, feedback, feed-forward and cascade systems; internal model control. Simulink, MATLAB and LabVIEW are used extensively in problem solving, simulations and measurement/control.

Lectures: 2 hours per week; workshops: 2 hours per week; laboratories: 4 hours per week.

Prerequisites: Medical Engineering students: ENG267 Control Systems and Process Dynamics.

For students not studying Medical Engineering: ENG267 Control Systems and Process Dynamics; ENG241 Principles of Process Engineering.

**Process Control Engineering I (ENG309)****As for ENG304 except:**

Credit Points: 3

Not available this year

**Process Control Engineering II (ENG322)****As for ENG346 except:**

Credit Points: 3

Not available this year

**Process Control Engineering II (ENG346)**

Credit Points: 4

MURDOCH: S2-internal

The unit further examines different types of conventional controllers introduced in previous control units. Advanced concepts introduced in this unit include: total plant control design, optimisation of the operation of plants, supervisory control and Generic Model Control and Fuzzy Control Design. Computer-aided design and simulation followed by real-time implementation are extensively exercised in this unit.

Lectures: 1 x 2 hours per week; workshops: 1 x 2 hours per week; laboratories: 1 x 4 hours per week.

Prerequisites: ENG241 Principles of Process Engineering; ENG267 Control Systems and Process Dynamics.

**Process Engineering (ENG303)**

Credit Points: 4

MURDOCH: S1-internal

This unit provides the necessary preparation to apply engineering concepts to the operation of a process plant. Students will gain an understanding of a number of process equipment, and fundamentals of process operations including mass transfer, heat transfer, chemical reaction and fluid dynamics. Teamwork and the use of technology tools to enhance process analysis capabilities are emphasised throughout this unit.

Lectures and workshops: 4 hours per week. laboratories: 3 hours per week.

Prerequisites: ENG241 Principles of Process Engineering OR ENG172 Introduction to Process Analysis OR EXM224 Principles of Unit Operations.

**Process Mineralogy (ENG205)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This mineralogy unit is directed towards the needs of extractive metallurgists. It focuses on the characterisation of minerals and materials encountered during mineral processing and metal extraction. It draws upon principles of structural and chemical crystallography, and phase chemistry. The mineralogy of the principal ores is illustrated and discussed. Practical work provides opportunities to develop technical skills of mineral identification and analysis, information access and communication. Mineralogy is increasingly important due to the more complex and lower grade ores mined.

Lectures: 1 x 2 and 1 x 1 hours per week; workshop: 1 hour per week; laboratories: 1 x 2 hours per week.

Prerequisites: EXM130 Introduction to Earth Science or ENG193 Introduction to the Minerals Industry.

Exclusions: Students who have successfully completed the unit EXM256 Advanced Mineral Processing may not enrol in this unit for credit.

**Process Systems Engineering (ENG446)**

Credit Points: 3

Not available this year

**Processes in Animal Disease (VET340)**

Credit Points: 4

MURDOCH: S1-internal

This unit examines the fundamental processes of disease that are manifest by higher vertebrates, such as vascular disturbances, inflammation, necrosis and diseases of abnormal DNA processing. Students learn practical macroscopic and microscopic interpretation skills using case studies from the School's diagnostic pathology service. The relationships between gross change, histological change, the underlying pathological process and its implications for treatment and prognosis are emphasised. Clinical material will form the basis for problem-oriented learning and developing skills in scientific communication.

Lectures: 3 hours per week; gross and histopathology workshops: 2 hours per week; seminars: 1 hour per week.

Prerequisites: Enrolment in Veterinary Biology; VET212 Veterinary Anatomy II or VET240 Veterinary Anatomy; VET108 Topics in Comparative Mammalian Anatomy or VET240 Veterinary Anatomy I; VET244 Veterinary Physiology I; VET243 Veterinary Physiology II; VET241 Veterinary Biochemistry.

**Processes in Animal Disease (VET375)***As for VET340 except:*

Credit Points: 3

Not available this year

**Processes in Human Disease (CHI301)**

Credit Points: 4

MURDOCH: S1-internal

Examines the fundamental processes of disease including thrombosis, cardiovascular disturbances, inflammation, cell and tissue death, and diseases of abnormal DNA processing such as neoplasia and inherited conditions. Provides an understanding of mechanisms by which disease is produced and aims to empower you with the knowledge to understand new developments in disease and to be able to communicate with other health professionals regarding pathology matters. Students learn practical macroscopic and microscopic interpretation skills and the relationship between gross change, histological change.

Lectures: 3 hours per week; gross pathology and histopathology workshops: 2 hours per week.

Prerequisites: Enrolment in Chiropractic and successful completion of first and second year of study in Chiropractic.

**Processes in Human Disease (CHI391)***As for CHI301 except:*

Credit Points: 3

Not available this year

**Processes, Simulation and Instrumentation (ENG563)**

Credit Points: 3

MURDOCH: S1-internal

This unit provides the foundations to understand a range of basics processes and the instrumentation which is used in a typical process control system. Although the unit deals with some physical systems, there is an emphasis on process modelling and simulation by studying a range of simple process oriented systems.

Meetings/laboratories: by arrangement with the Unit Coordinator.

Prerequisites: Enrolment in Master of Engineering or Graduate Diploma in Engineering.

Students will require an undergraduate physics/engineering level of knowledge in heat, flow and energy fundamentals.

### **Production Animal, Public Health, Pathology (Anatomical and Clinical) Core Clinical Rotation (VET577)**

*As for VET587 except:*

Credit Points: 6

Not available this year

### **Production Animal, Public Health, Pathology (Anatomical and Clinical) Core Clinical Rotation (VET587)**

Credit Points: 3

MURDOCH: YM-internal

This unit covers the application and practice of: production animal health and management; veterinary public health (the prevention and control of animal and human diseases to promote good health); anatomic pathology (clinical diagnosis and investigation of lesions in gross and histopathological mammalian and avian specimens) and clinical pathology (converting laboratory data into clinically useful information to identify pathological changes in a patient).

Contact time 6 weeks. Students are taught in small groups and the unit is repeated throughout the year.

Prerequisites: VET419, VET451, VET453, VET454, VET455, VET457, VET458, VET463 and VET459.

### **Production Development (SCR222)**

Credit Points: 3

MURDOCH: S2-internal

This unit is a guided creation and development process for students who wish to make traditional drama and documentary productions. The main areas of attention within this process are storytelling, directing, and producing. A thorough knowledge of the workings of these is vital for any student wishing to create screen productions for any purpose, though for Screen Production students it will also support the conceptualisation and preparation of films for their final year capstone unit: Advanced Screen Production.

Workshops: 3 hours per week for 9 weeks.

Prerequisites: SCR101 Screen Production 1 or MCC128 Screen Production I

Exclusions: Students who have successfully completed MCC312 Media Projects may not enrol in this unit for credit.

### **Professional Development (SCR312)**

Credit Points: 3

Not available this year

This unit is designed as a precursor to the capstone unit: Advanced Screen Production. Its focus is to extend the practical and creative skills developed in earlier screen production units by completing focussed, advanced exercises in craft specific tutorials. These tutorials are often designed and run by industry professionals. Each student will choose a module from a range of screen production crew roles, such as editing, cinematography, sound, and others as initiated by the Unit Coordinator.

Workshops: 1 x 3 hours per week for 9 weeks.

Prerequisites: MCC226 Screen Production 2 or SCR201 Screen Production 2 or SCR304 Documentary Production

Exclusions: Students who have successfully completed MCC201 Professional Development in Screen Production may not enrol in this unit for credit.

### **Professional Development in Screen Production (MCC201)**

Credit Points: 4

DUBAI-ISC: TJD-internal, TSD-internal

In this unit students extend the practical, creative and craft skills developed in earlier screen production units by completing exercises in tutorials that are often designed and run by industry professionals. Each student will choose two 6-week modules from a range of screen production crew roles, such as, direction, producing, editing, cinematography, sound and others as initiated by the unit coordinator.

Lectures: none; workshops: 3 hours per week.

Prerequisites: MCC226 Screen and Sound Production II (or MED226 Screen and Sound Production II or MED226 Screen Production II).

### **Professional Development Portfolio (EDN518)**

*As for EDU618 except:*

Credit Points: 3

MURDOCH: S1-external

### **Professional Development Portfolio (EDU618)**

Credit Points: 4

DUBAI-ISC: TMD-internal

This unit is designed to enable professionals working in a variety of educational, community or business settings to develop a professional learning portfolio. The purpose of the portfolio may include: (1) building upon previous or current professional development work; (2) documenting evidence of professional learning for registration, promotion, etc; or (3) documenting the practice of an IB-experienced teacher. Participants reflect in a structured way on how they have extended their understanding through these professional activities or practices.

Internal with intensive campus-based seminars.

Prerequisites: Enrolment in an education course and participation in a substantial professional development program in recent years, or permission of the Unit Coordinator.

### **Professional Experience in Early Learning Centres (EDN539)**

Credit Points: 3

MURDOCH: ST2-placement, ST4-placement

Students will complete a professional experience in an early years Long Day-care Centre with children aged birth-three years. This experience will give students the opportunity to develop further expertise in the early childhood education and care professional context.

Professional Experience Placement of 6 weeks full-time or 10 weeks part-time (3 days per week).

Prerequisites: Enrolment in the Graduate Certificate in Early Childhood Education and Care or Graduate Diploma in Early Childhood Education and Care.

Exclusions: Students in the BEd (Secondary), BEd (Primary), GradDipEd (Secondary) or GradDipEd (Primary) should not enrol in

this unit.

Students must have two current mandatory checks on record in the Murdoch University School of Education Professional Experience Office prior to commencement of this placement: Department of Education National Police History Check and a WA Working with Children Check. Refer to the School of Education Professional Experience website for details:

<http://www.murdoch.edu.au/School-of-Education/Professional-Experience/Checks-and-clearances/>

Students must submit a Placement Form to the School of Education Professional Experience Office by the due date. A Placement Form activates the placement process and guarantees a school placement. Placement details will be available on SONIA (the School of Education placement database) at

<https://myplacement.murdoch.edu.au/SoniaOnline>

A result of Ungraded Pass or Fail is awarded for this unit.

### Professional Experience Primary (EDN3100)

Credit Points: 2

MURDOCH: ST2-placement

This two-week school placement typically occurs in third year of a Bachelor of Education. The 10-day placement provides opportunities for pre-service teachers to strengthen the nexus between theory and practice under the guidance of a mentor teacher. The Australian Professional Standards for Teachers and Murdoch Graduate Attributes frame the outcomes. The focus of this placement is differentiation. Students plan, teach and assess so that they cater for different contexts and classrooms. Rural placements are encouraged in this unit.

10 days of school experience placement. Before placement: Preparatory tasks. After placement: Reflective task. Rural placements are encouraged for this unit.

Prerequisites: Successful completion of EDN2100 Professional Experience BEd Primary, and EDN223 Teaching English and Literacy in Primary Schools, and co-enrolment or successful completion of EDN333 Teaching Mathematics in Primary Schools.

Exclusions: Students who have successfully completed EDU3153 School Experience: Primary BEd should not enrol in this unit.

Pre-service teachers must have two current mandatory checks on record in the Murdoch University School of Education Professional Experience Office prior to commencement of this placement: Department of Education National Police History Check and a WA Working with Children Check. Refer to the School of Education Professional Experience website for details:

<http://www.murdoch.edu.au/School-of-Education/Professional-Experience/Checks-and-clearances/>  
Pre-service Teachers must submit a Placement Form to the School of Education Professional Experience Office by the due date. A Placement Form activates the placement process and guarantees a school placement. Placement details will be available on SONIA (the School of Education placement database) at

<https://myplacement.murdoch.edu.au/SoniaOnline>

A result of Ungraded Pass or Fail is awarded for this unit.

### Professional Experience Program (Crime Scene Investigation) (BIO327)

Credit Points: 4

Not available this year

Provides Forensic Biology and Toxicology majors with practical experience in crime scene investigation with the Western Australian Police (WAPOL). It includes one week of intensive training in crime scene analysis followed by three weeks of full-time attendance at a Police Division. This involves participation in actual crime cases and project work as directed by the WAPOL supervisor. Students are

required to maintain a journal of cases attended and are subjected to workplace assessment by the WAPOL supervisor.

40 hours per week for 4 weeks.

Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

Prerequisites: Participation is by invitation; enrolment in the Forensic Biology and Toxicology major; completion of all Part I requirements and at least 36 points at Part II; current certificates of vaccination for Hepatitis B and Tetanus. A Police security clearance will be undertaken and participants must submit themselves to psychological profiling.

Selection into the unit is by a panel consisting of Murdoch University personnel and officers from the Western Australian Police Forensic Division.

### Professional Experience: BEd Primary (EDN2100)

Credit Points: 2

Not available this year

This unit is a two-week placement in a school which would typically occur in the second year of study in a Bachelor of Education. The 10-day experience enables students to contextualise theory under the guidance of a University Supervisor. The AITSL standards frame the unit outcomes and expectations. Students must be currently enrolled in or have successfully completed the relevant curriculum unit to be eligible for a placement in schools.

2 weeks full-time block placement.

Prerequisites: Enrolment in BEd (Primary), BEd (Early Childhood and Primary), BEd (Early Childhood 0 - 8), BEd (Primary, Years 1 to 10 Health and Physical Education), BEd/BA (Australian Indigenous Studies), BEd (Secondary) BEd Primary Graduate (Two Years). Successful completion of EDN111 Language for Learning and Teaching; EDN112 Understanding Teachers' Work or EDU101/EDU1011 Introduction to Teaching; EDN221 Learning, Teaching and Assessment 1; and concurrent enrolment in or completion of EDN223 Teaching English and Literacy in Primary Schools.

Exclusions: Students enrolled in the GradDipEd (Primary) or GradDipEd (Secondary) should not enrol in this unit.

Students must have both a current WA Department of Education National Criminal History Record Check and a Working with Children Check (WWC) on file in the School Experience Office prior to commencement of this unit.

Students must lodge a Placement Form by the due date to the Office to activate and guarantee a school placement. All students must have Internet access to LMS and SONIA Placement system: <http://myplacement.murdoch.edu.au/soniaeducation>  
Students enrolled internally and externally MUST complete this school experience in the Perth metropolitan area. Students who fail this unit must gain permission from the Academic Chair to progress. EDN223 English field work Semester 1 is linked to this placement.

A result of Ungraded Pass or Fail is awarded for this unit.

### Professional Experience: BEd Secondary (EDN305)

*As for EDN3101 except:*

Credit Points: 3

Not available this year

Prerequisites: Enrolment in a Bachelor of Education Secondary Teaching; successful completion of EDN2101 Professional Experience: BEd Secondary Teaching.

Exclusions: Students who have successfully completed EDN3101

Professional Experience: BEd Secondary are not permitted to enrol in this unit for credit.

### Professional Experience: BEd Secondary (EDN3101)

Credit Points: 2

MURDOCH: ST2-placement

This unit is a full-time 10-day block placement in a school that is undertaken in the students' minor curriculum area. This professional experience enables students to contextualise theory under the guidance of a University Supervisor. The AITSL standards frame the unit outcomes and expectations. Students must be currently enrolled in or have successfully completed the relevant curriculum unit to be eligible for this placement in schools. Placements in this unit must be undertaken in the Perth metropolitan area.

10 days full-time block placement in the Perth metro area. A meeting of all pre-service teachers enrolled in this unit will be organised prior to the commencement of the placement.

Prerequisites: Enrolment in a teacher education course [BEd (Secondary) or BEd (Secondary) (Graduate). Successful completion of BED150/EDN112/EDN1121 Understanding Teachers' Work or EDU101/EDU1011/ Introduction to Teaching, as well as successful completion of EDU3163/EDN2101 School Experience: Secondary BEd and enrolment in or successful completion of relevant minor curriculum unit. Students enrolled in the Graduate Diploma of Education (Secondary) should not enrol in this unit.

Students must have both a current WA Department of Education National Criminal History Record Check and a WA Working with Children Check (WWC) on file in the Professional Experience Office prior to commencement of this unit.

Students must lodge a Placement Form by the due date to the Professional Experience Office to activate and guarantee a school placement. All students must have Internet access to LMS and SONIA Placement system  
<https://myplacement.murdoch.edu.au/SoniaOnline>

A result of Ungraded Pass or Fail is awarded for this unit.

### Professional Experience: BEd Secondary (EDN410)

*As for EDN4101 except:*

Credit Points: 3

Not available this year

Prerequisites: Students must be enrolled in a Bachelor of Education Secondary Teaching.

Exclusions: Students who have successfully completed EDN4101 Professional Experience: BEd Secondary are not permitted to enrol in this unit for credit.

Pre-service teachers must have two current mandatory checks on record in the Murdoch University School of Education Professional Experience Office prior to commencement of this placement: Department of Education National Police History Check and a WA Working with Children Check. Refer to the School of Education Professional Experience website for details:  
<http://www.murdoch.edu.au/School-of-Education/Professional-Experience/Checks-and-clearances/>  
Pre-service Teachers must submit a Placement Form to the School of Education Professional Experience Office by the due date. A Placement Form activates the placement process and guarantees a school placement. Placement details will be available on SONIA (the School of Education placement database) at  
<https://myplacement.murdoch.edu.au/SoniaOnline>

### Professional Experience: BEd Secondary (EDN4101)

Credit Points: 2

MURDOCH: ST2-placement

This unit is a full-time 10-day block placement in a school that is undertaken in the students' major curriculum area. This professional experience enables students to contextualise theory under the guidance of a school mentor. The AITSL standards frame the unit outcomes and expectations. Students must be currently enrolled in or have successfully completed the relevant major curriculum unit to be eligible for this placement in schools.

10 days full-time block placement.

Prerequisites: Enrolment in a Bachelor of Education (Secondary) course and successful completion of EDU101/EDU1011 Introduction to Teaching or BED150/EDN112/EDN1121 Understanding Teachers' Work as well as successful completion of EDU3163/EDN2101 School Experience: Secondary BEd or EDN3101 Professional Experience: BEd Secondary plus successful completion or concurrent enrolment in relevant curriculum major unit.

Exclusions: Students in the GradDipEd (Secondary) should not enrol in this unit.

Pre-service teachers must have two current mandatory checks on record in the Murdoch University School of Education Professional Experience Office prior to commencement of this placement: Department of Education National Police History Check and a WA Working with Children Check. Refer to the School of Education Professional Experience website for details:  
<http://www.murdoch.edu.au/School-of-Education/Professional-Experience/Checks-and-clearances/>

Pre-service Teachers must submit a Placement Form to the School of Education Professional Experience Office by the due date. A Placement Form activates the placement process and guarantees a school placement. Placement details will be available on SONIA (the School of Education placement database) at  
<https://myplacement.murdoch.edu.au/SoniaOnline>

A result of Ungraded Pass or Fail is awarded for this unit.

### Professional Experience: BEd Secondary (HPE) (EDN4103)

*As for EDN4101 except:*

Credit Points: 2

MURDOCH: S1-placement

10 days distributed placement over Semester 1.

Prerequisites: Enrolment in Education (BEd) [Primary, 1-10 Health and Physical Education] and successful completion of EDU101/EDU1011 Introduction to Teaching or EDN112/EDN1121 Understanding Teachers' Work as well as successful completion of EDN2102 School Experience: Secondary BEd and EDN3100 School Experience: Primary plus concurrent enrolment in relevant curriculum unit EDN419 Health and Physical Education and the Curriculum (Major).

Exclusions: Students in the GradDipEd (Primary) or the Secondary Teaching HPE and Sports Science should not enrol in this unit.

The 10 days of this placement are distributed across the S1 teaching period.

Pre-service teachers must have two current mandatory checks on record in the Murdoch University School of Education Professional Experience Office prior to commencement of this placement: Department of Education National Police History Check and a WA Working with Children Check. Refer to the School of Education Professional Experience website for details:  
<http://www.murdoch.edu.au/School-of-Education/Professional-Experience/Checks-and-clearances/>

Pre-service Teachers must submit a Placement Form to the School of Education Professional Experience Office by the due date. A Placement Form activates the placement process and guarantees a school placement. Placement details will be available on SONIA (the School of Education placement database): <https://myplacement.murdoch.edu.au/SoniaOnline>

A result of Ungraded Pass or Fail is awarded for this unit.

### **Professional Experience: BEd Secondary HPE (EDN2102)**

Credit Points: 2

MURDOCH: ST4-placement

This unit is a 10-day block placement in a high school across Years 7 to 10, that is undertaken in the HPE curriculum area. This professional experience enables students to contextualise theory under the guidance of a University Moderator. The AITSL standards frame the unit outcomes and expectations. Students must be currently enrolled in or have successfully completed the relevant major curriculum unit to be eligible for this placement in schools.

Students undertake a 10 day block school placement in ST4.

Prerequisites: Enrolment in Education (BEd) [Primary, 1-10 Health and Physical Education] and successful completion of EDU101/EDU1011 Introduction to Teaching or BED150/EDN112/EDN1121 Understanding Teachers' Work, as well as successful completion of EDN221 Learning, Teaching and Assessment 1, EDN222/EDN208 Learning, Teaching and Assessment 2 OR BED200 Assessment and Action Research, EDN3191 Sport Education, EDN226 Teaching Health and Physical Education in Primary Schools.

Exclusions: EDN2101 Professional Experience: BEd Secondary.

Students need to enrol in ST4 teaching period.

Pre-service teachers must have two current mandatory checks on record in the Murdoch University School of Education Professional Experience Office prior to commencement of this placement: Department of Education National Police History Check and a WA Working with Children Check. Refer to the School of Education Professional Experience website for details: <http://www.murdoch.edu.au/School-of-Education/Professional-Experience/Checks-and-clearances/>

Pre-service Teachers must submit a Placement Form to the School of Education Professional Experience Office by the due date. A Placement Form activates the placement process and guarantees a school placement. Placement details will be available on SONIA (the School of Education placement database) at <https://myplacement.murdoch.edu.au/SoniaOnline>

A result of Ungraded Pass or Fail is awarded for this unit.

### **Professional Experience: BEd Secondary Teaching (EDN2101)**

Credit Points: 3

MURDOCH: ST4-placement

This unit is a two-week placement in a school in the second year of study in the Bachelor of Education: Secondary. The 10 day experience provides students with the opportunity to build on their developing theoretical and practical understandings of the teaching/learning context of secondary schools and classrooms. Students are placed in schools and are required to attend pre- and post-school experience meetings.

Two meetings held prior to the professional experience component of this unit and another debrief workshop is held after the school placement.

The unit provides an opportunity for students to use the theoretical foundations of learning and teaching that have been explored on

campus (especially in units such as BED200, EDN221 and EDN222) and apply them to a school context. Students are encouraged to explore the extent to which theory can be used to inform practice and the extent to which they might contribute to theory by working with Mentor Teacher to observe, design, conduct and evaluate teaching, learning and assessment experiences in schools.

Prerequisites: Successful completion of EDN221/EDN208 Learning and Teaching; and concurrent enrolment in or completion of BED200 Assessment and Action Research.

Pre-service teachers must have two current mandatory checks on record in the Murdoch University School of Education Professional Experience Office prior to commencement of this placement: Department of Education National Police History Check and a WA Working with Children Check. Refer to the School of Education Professional Experience website for details: <http://www.murdoch.edu.au/School-of-Education/Professional-Experience/Checks-and-clearances/>

Pre-service Teachers must submit a Placement Form to the School of Education Professional Experience Office by the due date. A Placement Form activates the placement process and guarantees a school placement. Placement details will be available on SONIA (the School of Education placement database) at <https://myplacement.murdoch.edu.au/SoniaOnline>

### **Professional Experience: English in Practice (EDN2104)**

Credit Points: 3

MURDOCH: S2-placement

This semester long unit incorporates a compulsory two-week Perth-based placement. It typically occurs in the second year of study in a Bachelor of Education. Students will complete tasks before, during and after the placement. It enables students to contextualise theory and practice under the guidance of an experienced WA mentor teacher. The Australian Professional Standards for Teachers (Graduate Level) and Murdoch Graduate Attributes frame the unit outcomes and expectations.

2 week full-time Perth-based block placement. A range of online tasks will be completed before and after the placement.

Prerequisites: Enrolment in BEd (Primary), BEd (Early Childhood and Primary), BEd (Early Childhood 0 - 8), BEd (Primary, Years 1 to 10 Health and Physical Education), BEd/BA (Australian Indigenous Studies), BEd (Secondary) or BEd Primary Graduate (Two Years). Successful completion of EDN235/EDN223 Teaching English and Literacy in Primary Schools and EDN221 Learning and Teaching plus concurrent enrolment in BED200 Assessment and Action Research.

Concurrent enrolment in EDN236 Teaching The Arts in Primary Schools and EDN248 Teaching Health and Physical Education in Primary Schools is strongly recommended.

Exclusions: Students enrolled in the GradDipEd (Primary) or GradDipEd (Secondary) should not enrol in this unit. Students who have successfully completed EDN2100 Professional Experience: BEd Primary may not take this unit for credit.

Pre-service teachers must have two current mandatory checks on record in the Murdoch University School of Education Professional Experience Office prior to commencement of this placement: Department of Education National Police History Check and a WA Working with Children Check. Refer to the School of Education Professional Experience website for details: <http://www.murdoch.edu.au/School-of-Education/Professional-Experience/Checks-and-clearances/>

Pre-service Teachers must submit a Placement Form to the School of Education Professional Experience Office by the due date. A Placement Form activates the placement process and guarantees a school placement. Placement details will be available on SONIA (the School of Education placement database) at

<https://myplacement.murdoch.edu.au/SoniaOnline>

Students enrolled internally and externally MUST complete this school experience in the Perth metropolitan area. Students who fail this unit must gain permission from the Academic Chair to progress.

A result of Ungraded Pass or Fail is awarded for this unit.

### **Professional Experience: Graduate Diploma Secondary (EDN514)**

Credit Points: 3

MURDOCH: ST2-placement

Students undertake a 10-day block of school-based experience focusing on teaching their specialist curriculum area(s). This is an opportunity to try a variety of techniques and approaches in a classroom context under the guidance of a Mentor Teacher. Students must complete this professional experience in the Perth metropolitan area.

Seminars: 1 x 2 hours prior to placement.

10 days full-time block placement in a school.

Prerequisites: Enrolment in Graduate Diploma of Education (Secondary) course; successful completion of EDN550 Transition to Teaching OR BED150/EDN112/EDN1121 Understanding Teachers' Work or EDU101/EDU1011 Introduction to Teaching.

Exclusions: Students in the BEd (Secondary) course should not enrol in this unit but rather in either EDN3101 School Experience: BEd Secondary as recommended in the course structure.

Students are required to enrol concurrently in their minor curriculum unit.

Pre-service teachers must have two current mandatory checks on record in the Murdoch University School of Education Professional Experience Office prior to commencement of this placement: Department of Education National Police History Check and a WA Working with Children Check. Refer to the School of Education Professional Experience website for details:

<http://www.murdoch.edu.au/School-of-Education/Professional-Experience/Checks-and-clearances/>

Pre-service Teachers must submit a Placement Form to the School of Education Professional Experience Office by the due date. A Placement Form activates the placement process and guarantees a school placement. Placement details will be available on SONIA (the School of Education placement database) at <https://myplacement.murdoch.edu.au/SoniaOnline>

A result of Ungraded Pass or Fail is awarded for this unit.

### **Professional Experience: Integrated Curriculum in Practice (EDN310)**

Credit Points: 3

MURDOCH: ST3-placement

This three-week school placement typically occurs in second year of a Bachelor of Education (Early Childhood 0-8). The 15-day placement provides opportunities for pre-service teachers to strengthen the nexus between theory and practice under the guidance of a qualified early childhood mentor teacher. The Australian Professional Standards for Teachers and Murdoch Graduate Attributes frame the outcomes. The focus of this placement is the implementation of a holistic and integrated programme.

Two seminars held in flat teaching venue (prior and after the practicum).

15 days practical held in an early years mainstream classroom (kindergarten to Year 2).

Prerequisites: Successful completion of EDN461 Language and

Literacies in the Early Years and EDN462 Mathematics and Numeracy in the Early Years.

A result of Ungraded Pass or Fail is awarded for this unit.

### **Professional Experience: Mathematics in Practice (EDN3102)**

Credit Points: 3

Not available this year

Prerequisites: Successful completion of EDN2104 Professional Experience: English in Practice and EDN351 Teaching Mathematics in Primary School.

### **Professional Experience: Perspectives on Curriculum (EDN465)**

Credit Points: 3

Not available this year

Prerequisites: Successful completion of, or concurrent enrolment in, relevant curriculum unit(s).

### **Professional Experience: Postgraduate (EDN5100)**

Credit Points: 3

MURDOCH: ST2-placement, ST3-placement

Students will complete a professional experience in a school. This experience will give students the opportunity to develop further expertise in their professional field.

Professional Experience Placement of 6 weeks full-time or 10 weeks part-time (3 days per week).

Prerequisites: Enrolment in the last semester of Graduate Diploma of Education Studies or Graduate Certificate in Inclusive Education or Graduate Certificate in Early Childhood Education or Graduate Diploma in Early Childhood Education and Care or Early Childhood Education courses; EDN520 Advanced Principles and Practices in Early Childhood Education.

Students must have both a current WA Department of Education National Criminal History Record Check and a Working with Children (Criminal Record Checking) Act 2004 clearance from the Department of Community Development on file in the Murdoch University School of Education Professional Experience office prior to commencing this unit.

Exclusions: Students in the BEd (Secondary), BEd (Primary), GradDipEd (Secondary) or GradDipEd (Primary) course should not enrol in this unit.

Students must have two current mandatory checks on record in the Murdoch University School of Education Professional Experience Office prior to commencement of this placement: Department of Education National Police History Check and a WA Working with Children Check. Refer to the School of Education Professional Experience website for details:

<http://www.murdoch.edu.au/School-of-Education/Professional-Experience/Checks-and-clearances/>

Students must submit a Placement Form to the School of Education Professional Experience Office by the due date. A Placement Form activates the placement process and guarantees a school placement. Placement details will be available on SONIA (the School of Education placement database) at <https://myplacement.murdoch.edu.au/SoniaOnline>



**Professional Experience: Primary BEd (EDU3154)**

Credit Points: 2

MURDOCH: ST2-placement

A two-week placement in a school which would typically occur in the fourth year of study in a Bachelor of Education or Bachelor of Education Graduate course. The 10-day placement provides opportunities for pre-service teachers to strengthen the nexus between theory and practice under the guidance of a Murdoch Supervisor. The Australian Professional Standards for Teachers (Graduate Level) and Murdoch Graduate Attributes frame the unit outcomes and expectations. The focus is on assessment strategies and literacy across the curriculum.

2 weeks full-time. Students will be attached to a school for this unit and if completing PIP and PI in the same year will probably return to the assigned school.

Prerequisites: Enrolment in BEd (Early Childhood and Primary) or BEd (Primary) or BEd (Primary)/BA (Australian Indigenous Studies) or BEd (Primary Graduate) and EDU101/EDU1011 Introduction to Teaching; successful completion of EDU3153 Primary Professional Experience or EDN3100 Professional Experience Primary and concurrent enrolment in EDU286 Primary Curriculum IV (Society and Environment, Science).

Exclusions: Students in the GradDipEd (Primary) should not enrol in this unit.

Pre-service teachers must have two current mandatory checks on record in the Murdoch University School of Education Professional Experience Office prior to commencement of this placement: Department of Education National Police History Check and a WA Working with Children Check. Refer to the School of Education Professional Experience website for details: <http://www.murdoch.edu.au/School-of-Education/Professional-Experience/Checks-and-clearances/> Pre-service Teachers must submit a Placement Form to the School of Education Professional Experience Office by the due date. A Placement Form activates the placement process and guarantees a school placement. Placement details will be available on SONIA (the School of Education placement database) at <https://myplacement.murdoch.edu.au/SoniaOnline>

A result of Ungraded Pass or Fail is awarded for this unit.

**Professional Experience: Primary Graduate (EDN2151)**

Credit Points: 2

MURDOCH: ST2-placement

A 10-day block placement in a school which typically would occur in the first semester of study in a GradDipEd (Primary). The 10-day experience enables students to contextualise theory under the guidance of a mentor teacher and university moderator. The Australian Professional Standards for Teachers (Graduate Level) and the Murdoch Graduate Attributes frame the unit outcomes and expectations. Students must be currently enrolled or have successfully completed the English and Mathematics curriculum units to be eligible for placement.

10 days full-time block placement in a school.

Prerequisites: Enrolment in a GradDipEd (Primary); successful completion of BED150/EDN1121 Understanding Teachers' Work or EDU101/EDU1011 Introduction to Teaching; concurrent enrolment in or completion of EDN2231/EDN235 Teaching English and Literacy in Primary Schools AND EDN3331 Teaching Mathematics in Primary Schools.

Exclusions: Students in the BEd (Primary) should not enrol in this unit, but rather in EDN2104 Professional Experience: English in Practice, and EDN3100 Professional Experience: Primary as recommended in the course structure.

Pre-service teachers must have two current mandatory checks on record in the Murdoch University School of Education Professional Experience Office prior to commencement of EDN2151 placement. For details refer to:

<http://www.murdoch.edu.au/School-of-Education/Professional-Experience/Checks-and-clearances/>

Pre-service Teachers must submit a Placement Form to the Professional Experience Office by the due date to activate placement processes. Placement details will be available on SONIA: <https://myplacement.murdoch.edu.au/SoniaOnline>

Students enrolled externally and Non-metropolitan students are required to complete this 2-week placement in the Perth metropolitan area. Students enrolled externally in EDN236 and EDN248 usually complete a one-week on-campus intensive in conjunction with EDN2151 requiring only one trip to Perth for non-metropolitan students. Students who fail EDN2151 must gain permission from the Academic Chair to progress.

A result of Ungraded Pass or Fail is awarded for this unit.

**Professional Experience: Programming Across the Curriculum (EDN4100)**

Credit Points: 3

Not available this year

Prerequisites: Successful completion of EDN3102 Professional Experience: Mathematics in Practice.

Concurrent enrolment in EDN441 Teaching Humanities and Social Sciences in Primary Schools and EDN442 Teaching Science in Primary Schools.

**Professional Experience: Strategies for Effective Teaching (EDN567)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit is based on the practical application of curriculum and strategies for learning and teaching within a primary classroom. Pre-service teachers are expected to develop a series of lessons and to implement and evaluate these lessons in terms of not only student outcomes, but their own practice as beginning teachers.

Lectures/seminars: 6 x 3 hours.

10 day block professional placement in a Primary School setting.

Prerequisites: Enrolment in the Master of Teaching (Primary). Successful completion of EDN5501 Transition to Teaching, EDN561 Understanding the Learner and the Learning Environment, EDN562 Numeracy and Learning, EDN563 Literacy and Learning, and successful completion of / or co-enrolment in EDN564 Mathematics in the Primary Curriculum and EDN565 English and the Primary curriculum, and co-enrolment in EDN568 Strategies for Effective Learning and Teaching.

**Professional Internship A: Differentiation within Diverse Contexts (EDN611)**

Credit Points: 3

Not available this year

The first unit of a year-long internship in a primary school context. A one-week induction is followed by a one-week block placement then one day a week until end of Term 2. A team-teaching approach to planning, teaching and assessment will be employed. Observation in an indigenous or multicultural school setting is included. The unit focus is catering for difference in relation to context, content and students. The internship provides opportunity for students to contextualise Semester 1 units.

Lectures/seminars: 3 x 2 hours.

One 5-day block placement (30 hours). One-week field trip in an Indigenous or multicultural primary school setting (30 hours). Work-integrated learning of 1 day per week for 15 weeks during School Terms 1 and 2 (75 hours).

Prerequisites: Enrolment in the Master of Teaching (Primary) and successful completion of all 500 level units, co-enrolment in EDN612 Understanding Diversity and Inclusion in Educational Settings, EDN613 The Integrated Curriculum in Primary Schools and EDN614 Science and the Primary Curriculum.

This unit begins before Semester 1, one week before primary schools begin. Pre-service teachers have three days on campus and 2 days professional development in schools before a one week block placement. Pre Service Teachers will continue in this school one day a week each term.

Pre-service teachers must have two current mandatory checks on record in the Murdoch University School of Education Professional Experience Office prior to commencement of this placement: Department of Education National Police History Check and a WA Working with Children Check. Refer to the School of Education Professional Experience web site for details:

<http://www.murdoch.edu.au/School-of-Education/Professional-Experience/Checks-and-clearances/>

Pre-service Teachers must submit a Placement Form to the School of Education Professional Experience Office by the due date. A Placement Form activates the placement process and guarantees a school placement. Placement details will be available on SONIA (the School of Education placement database) at <https://myplacement.murdoch.edu.au/SoniaOnline>

### Professional Internship B: Research in Practice (EDN615)

Credit Points: 6

Not available this year

The final unit of a year-long internship comprises: two, two-day on-campus sessions (July and December), a 10-week block placement in School Term 3 followed by one day a week in school for the first 5 weeks of School Term 4. Pre-service teachers will gradually take over full responsibility of the teaching/learning process during the block placement, and will link theories/theorists to the Seven Professional Standards and apply/reflect on this within their practice.

Workshops: 2 x 2.5 hours on campus in July plus 2 x 2.5 hours on campus in December; Vodcasts: weekly.

Field work: 10-week Block Placement in a primary school during School Term 3 (250 hours). Additional field work 1 day per week for 5 weeks during School Term 4 (25 hours).

Prerequisites: Enrolment in the Master of Teaching (Primary) and successful completion of all 500 level units, successful completion of EDN611 Professional Internship A: Differentiation within Diverse Contexts, EDN612 Understanding Diversity and Inclusion in Educational Settings, EDN613 The Integrated Curriculum in Primary Schools (HASS/HPE/Arts), EDN614 Science in the Primary Schools Curriculum, and co-enrolment in EDN616 Introduction to Research for Teachers and EDN617 Case Study Research Project

Pre-service teachers must have two current mandatory checks on record in the Murdoch University School of Education Professional Experience Office prior to commencement of this placement: Department of Education National Police History Check and a WA Working with Children Check. Refer to the School of Education Professional Experience website for details:

<http://www.murdoch.edu.au/School-of-Education/Professional-Experience/Checks-and-clearances/>

Pre-service Teachers must submit a Placement Form to the School of Education Professional Experience Office by the due date. A Placement Form activates the placement process and guarantees a school placement. Placement details will be available on SONIA (the

School of Education placement database) at <https://myplacement.murdoch.edu.au/SoniaOnline>

### Professional Internship in Business (BUS358)

Credit Points: 10

MURDOCH: S1-internal, SUM-internal

This unit gives students the opportunity to consolidate their theoretical knowledge and develop their professional competence in the workplace. The learning experience takes place primarily outside the classroom with students having the opportunity to participate in real world business experiences related to their studies, supported by a business school academic supervisor and a workplace supervisor. Students who have completed the practicum unit will gain valuable Australian business experience which is likely to enhance their employability and prospects for promotion.

Workshops: up to 6 x 1-hour sessions during the semester in addition to work-based placement.

Prerequisites: Nil.

This unit should be studied in the final semester.

Acceptance into the unit depends upon a demonstrated continuous high standard of academic performance and availability of academic and industry supervisors. Students intending to undertake an internship should make an appointment to see the Unit Coordinator before completing an application form.

### Professional Internship Prelim: Prim BEd/Inclusive Ed (EDU383)

Credit Points: 2

MURDOCH: ST2-placement, ST3-placement

Students undertake a supervised three-week block of school-based placement in the school in which they will complete their Professional Internship. Students must successfully complete this preliminary component in order to proceed to the Professional Internship.

Three weeks full-time block placement in a school.

Prerequisites: Enrolment in the final semester of a Bachelor of Education (Primary) course AND Inclusive Education

Exclusions: BEd (Primary) students who are not enrolled in Inclusive Education.

Enrolment in the relevant Professional Internship unit in the same semester will be expected.

Pre-service teachers must have two current mandatory checks on record in the Murdoch University School of Education Professional Experience Office prior to commencement of this placement: Department of Education National Police History Check and a WA Working with Children Check. Refer to the School of Education Professional Experience website for details:

<http://www.murdoch.edu.au/School-of-Education/Professional-Experience/Checks-and-clearances/>

Pre-service Teachers must submit a Placement Form to the School of Education Professional Experience Office by the due date. A Placement Form activates the placement process and guarantees a school placement. Placement details will be available on SONIA (the School of Education placement database) at <https://myplacement.murdoch.edu.au/SoniaOnline>

A result of Ungraded Pass or Fail is awarded for this unit.

**Professional Internship Prelim: Primary BEd/ECE (EDU379)**

Credit Points: 2

MURDOCH: ST2-placement, ST3-placement

Students undertake a supervised three-week block of school-based placement in the school in which they will complete their Professional Internship. Students must successfully complete this preliminary component in order to proceed to the Professional Internship.

Three weeks full-time block placement in a school.

Prerequisites: Enrolment in the final semester of a Bachelor of Education (Early Childhood and Primary) OR Bachelor of Education (Primary) course and Early Childhood minor.

Exclusions: BEd (Primary) students who are not enrolled in Early Childhood.

Enrolment in the relevant Professional Internship unit in the same semester will be expected.

Pre-service teachers must have two current mandatory checks on record in the Murdoch University School of Education Professional Experience Office prior to commencement of this placement: Department of Education National Police History Check and a WA Working with Children Check. Refer to the School of Education Professional Experience website for details: <http://www.murdoch.edu.au/School-of-Education/Professional-Experience/Checks-and-clearances/>

Pre-service Teachers must submit a Placement Form to the School of Education Professional Experience Office by the due date. A Placement Form activates the placement process and guarantees a school placement. Placement details will be available on SONIA (the School of Education placement database) at <https://myplacement.murdoch.edu.au/SoniaOnline>

A result of Ungraded Pass or Fail is awarded for this unit.

**Professional Internship Prelim: Primary GradDipEd (EDU291)**

Credit Points: 2

MURDOCH: ST2-placement, ST3-placement

Students undertake a supervised three-week block of school-based placement in the school in which they will complete their Professional Internship. Students must successfully complete this preliminary component in order to proceed to the Professional Internship.

Three weeks full-time block placement in a school.

Prerequisites: Enrolment in the final semester of a Graduate Diploma in Education (Primary) course. Students will be required to have successfully completed all the required units.

Exclusions: Students enrolled in the Bachelor of Education (Primary) should not enrol in this unit, but rather EDU377 Professional Internship Preliminary: Primary BEd.

Enrolment in the relevant Professional Internship unit in the same semester will be expected.

Pre-service teachers must have two current mandatory checks on record in the Murdoch University School of Education Professional Experience Office prior to commencement of this placement: Department of Education National Police History Check and a WA Working with Children Check. Refer to the School of Education Professional Experience website for details: <http://www.murdoch.edu.au/School-of-Education/Professional-Experience/Checks-and-clearances/>

Pre-service Teachers must submit a Placement Form to the School of Education Professional Experience Office by the due date. A Placement Form activates the placement process and guarantees a school placement. Placement details will be available on SONIA (the

School of Education placement database) at <https://myplacement.murdoch.edu.au/SoniaOnline>

A result of Ungraded Pass or Fail is awarded for this unit.

**Professional Internship Prelim: Secondary BEd (EDU387)**

Credit Points: 2

MURDOCH: ST2-placement, ST3-placement

Students undertake a supervised three-week block of school-based placement in the school in which they will complete their Professional Internship. Students must successfully complete this preliminary component in order to proceed to the Professional Internship.

Three weeks full-time block placement in a school.

Prerequisites: Enrolment in the final semester of a Bachelor of Education (Secondary) OR Bachelor of Education (Secondary)(Graduate) course. Students will be required to have successfully completed all the required units.

Exclusions: Students in the GradDipEd(Secondary) should not enrol in this unit but in EDU293 Professional Internship Prelim: Secondary GradDipEd.

Enrolment in the relevant Professional Internship unit in the same semester will be expected.

Pre-service teachers must have two current mandatory checks on record in the Murdoch University School of Education Professional Experience Office prior to commencement of this placement: Department of Education National Police History Check and a WA Working with Children Check. Refer to the School of Education Professional Experience website for details: <http://www.murdoch.edu.au/School-of-Education/Professional-Experience/Checks-and-clearances/>

Pre-service Teachers must submit a Placement Form to the School of Education Professional Experience Office by the due date. A Placement Form activates the placement process and guarantees a school placement. Placement details will be available on SONIA (the School of Education placement database) at <https://myplacement.murdoch.edu.au/SoniaOnline>

A result of Ungraded Pass or Fail is awarded for this unit.

**Professional Internship Prelim: Secondary GradDipEd (EDU293)**

Credit Points: 2

MURDOCH: ST2-placement, ST3-placement

Students undertake a supervised three-week block of school-based placement in the school in which they will complete their Professional Internship. Students must successfully complete this preliminary component in order to proceed to the Professional Internship.

Three weeks full-time block placement in a school.

Prerequisites: Enrolment in the final semester of a Graduate Diploma in Education (Secondary) course. Students will be required to have successfully completed all the required units.

Exclusions: Students in the BEd (Secondary) should not enrol in this unit, but rather in EDU387 Professional Internship Prelim: Secondary BEd.

Enrolment in the relevant Professional Internship unit in the same semester will be expected.

Pre-service teachers must have two current mandatory checks on record in the Murdoch University School of Education Professional Experience Office prior to commencement of this placement: Department of Education National Police History Check and a WA Working with Children Check. Refer to the School of Education



Professional Experience website for details:  
<http://www.murdoch.edu.au/School-of-Education/Professional-Experience/Checks-and-clearances/>  
 Pre-service Teachers must submit a Placement Form to the School of Education Professional Experience Office by the due date. A Placement Form activates the placement process and guarantees a school placement. Placement details will be available on SONIA (the School of Education placement database) at  
<https://myplacement.murdoch.edu.au/SoniaOnline>

A result of Ungraded Pass or Fail is awarded for this unit.

### **Professional Internship Preliminary: Primary BEd (EDU377)**

Credit Points: 2

MURDOCH: ST2-placement, ST3-placement

Students undertake a supervised three-week block of school-based placement in the school in which they will complete their Professional Internship. Students must successfully complete this preliminary component in order to proceed to the Professional Internship.

Three weeks full-time block placement in a school.

Prerequisites: Enrolment in the final semester of a Bachelor of Education (Primary) course OR Bachelor of Education (Primary) (Graduate).

Exclusions: Students in the GradDipEd (Primary) should not enrol in this unit, but rather EDU291 Professional Internship Preliminary: Primary GradDipEd.

Enrolment in the relevant Professional Internship unit in the same semester will be expected.  
 Pre-service teachers must have two current mandatory checks on record in the Murdoch University School of Education Professional Experience Office prior to commencement of this placement: Department of Education National Police History Check and a WA Working with Children Check. Refer to the School of Education Professional Experience website for details:  
<http://www.murdoch.edu.au/School-of-Education/Professional-Experience/Checks-and-clearances/>  
 Pre-service Teachers must submit a Placement Form to the School of Education Professional Experience Office by the due date. A Placement Form activates the placement process and guarantees a school placement. Placement details will be available on SONIA (the School of Education placement database) at  
<https://myplacement.murdoch.edu.au/SoniaOnline>

A result of Ungraded Pass or Fail is awarded for this unit.

### **Professional Internship: Early Childhood Teaching (K - PP) (EDN435)**

Credit Points: 6

Not available this year

This unit gives students the opportunity to consolidate their theoretical knowledge and develop a high level of professional competence in an early childhood setting. It aims to nurture the development of the reflective practitioner and establish a foundation for confronting the issues associated with the professional responsibilities of being a teacher.

Six weeks full-time block placement in a school.

Prerequisites: Enrolment in the final semester of a Bachelor of Education Early Childhood and Primary Teaching OR Bachelor of Education Early Childhood 0-8. Students will be required to have successfully completed all the required units.

Exclusions: BEd (Primary) students who are not enrolled in Early Childhood Education.  
 Students who have successfully completed EDU381 may not enrol

in this unit for credit.

Completion of the relevant Professional Internship Preliminary unit (EDNxxxx) in the same semester will be expected.

Pre-service teachers must have two current mandatory checks on record in the Murdoch University School of Education Professional Experience Office prior to commencement of this placement: Department of Education National Police History Check and a WA Working with Children Check. Refer to the School of Education Professional Experience website for details:  
<http://www.murdoch.edu.au/School-of-Education/Professional-Experience/Checks-and-clearances/>

Pre-service Teachers must submit a Placement Form to the School of Education Professional Experience Office by the due date. A Placement Form activates the placement process and guarantees a school placement. Placement details will be available on SONIA (the School of Education placement database) at  
<https://myplacement.murdoch.edu.au/SoniaOnline>

### **Professional Internship: Preliminary Early Childhood Teaching (K - PP) (EDN434)**

Credit Points: 3

Not available this year

Students undertake a two-week block of school-based placement in an early childhood setting in the school in which they will complete their Professional Internship. Students must successfully complete this preliminary component in order to proceed to the Professional Internship: Early Childhood Teaching (K-PP).

Two weeks full-time block placement in a school.

Prerequisites: Enrolment in the final semester of a Bachelor of Education Early Childhood and Primary Teaching OR Bachelor of Education Early Childhood 0-8. Students will be required to have successfully completed all the required units.

Exclusions: BEd (Primary) students who are not enrolled in Early Childhood Education.  
 Students who have successfully completed EDU379 Professional Internship Prelim: Primary BEd/ECE may not enrol in this unit for credit.

### **Professional Internship: Preliminary Primary Teaching (EDN4302)**

Credit Points: 3

Not available this year

Pre-service teachers must have two current mandatory checks on record in the Murdoch University School of Education Professional Experience Office prior to commencement of this placement: Department of Education National Police History Check and a WA Working with Children Check. Refer to the School of Education Professional Experience website for details:  
<http://www.murdoch.edu.au/School-of-Education/Professional-Experience/Checks-and-clearances/>

Pre-service Teachers must submit a Placement Form to the School of Education Professional Experience Office by the due date. A Placement Form activates the placement process and guarantees a school placement. Placement details will be available on SONIA (the School of Education placement database):  
<https://myplacement.murdoch.edu.au/SoniaOnline>

### **Professional Internship: Preliminary Secondary Graduate Diploma (EDN511)**

Credit Points: 3

MURDOCH: ST3-placement, ST4-placement

Students undertake a supervised three-week block of school-based placement in the school in which they will complete their

Professional Internship. Students must successfully complete this preliminary component in order to proceed to the Professional Internship. This unit gives students opportunities to apply their theoretical understandings of teaching and develop their level of professional competence in a secondary school setting. It aims to nurture the development of the reflective practitioner and provide opportunities to experience the professional responsibilities associated with teaching.

Three weeks full-time block placement in a secondary school.

Prerequisites: Enrolment in the final semester of the Graduate Diploma in Education (Secondary). Students must have successfully completed all other required teaching and school experience units. Completion of the relevant Professional Internship unit in the same semester will be expected.

Exclusions: Students enrolled in the BEd (Secondary)/BA or the BEd (Secondary)/BSc should not enrol in this unit.

Students who have successfully completed EDU293 Professional Internship: Preliminary Secondary GradDipEd may not enrol in this unit for credit.

Pre-service teachers must have two current mandatory checks on record in the Murdoch University School of Education Professional Experience Office prior to commencement of this placement: Department of Education National Police History Check and a WA Working with Children Check. Refer to the School of Education Professional Experience website for details: <http://www.murdoch.edu.au/School-of-Education/Professional-Experience/Checks-and-clearances/> Pre-service Teachers must submit a Placement Form to the School of Education Professional Experience Office by the due date. A Placement Form activates the placement process and guarantees a school placement. Placement details will be available on SONIA (the School of Education placement database) at <https://myplacement.murdoch.edu.au/SoniaOnline>

A result of Ungraded Pass or Fail is awarded for this unit.

### **Professional Internship: Preliminary Secondary Teaching (EDN4303)**

Credit Points: 3

Not available this year

Pre-service teachers must have two current mandatory checks on record in the Murdoch University School of Education Professional Experience Office prior to commencement of this placement: Department of Education National Police History Check and a WA Working with Children Check. Refer to the School of Education Professional Experience website for details: <http://www.murdoch.edu.au/School-of-Education/Professional-Experience/Checks-and-clearances/> Pre-service Teachers must submit a Placement Form to the School of Education Professional Experience Office by the due date. A Placement Form activates the placement process and guarantees a school placement. Placement details will be available on SONIA (the School of Education placement database): <https://myplacement.murdoch.edu.au/SoniaOnline>

### **Professional Internship: Primary BEd (EDU378)**

Credit Points: 6

MURDOCH: ST2-placement, ST3-placement

This unit gives students the opportunity to consolidate their theoretical knowledge and develop a high level of professional competence. It aims to nurture the development of the reflective practitioner and establish a foundation for confronting the issues associated with the professional responsibilities of being a teacher.

Seven weeks full-time block placement in a school.

Prerequisites: Enrolment in the final semester of a Bachelor of

Education (Primary) OR Bachelor of Education (Primary) (Graduate) course.

Students will be required to have successfully completed all the required units. Completion of the relevant Professional Internship Preliminary unit (EDU377) in the same semester will be expected. Pre-service teachers must have two current mandatory checks on record in the Murdoch University School of Education Professional Experience Office prior to commencement of this placement: Department of Education National Police History Check and a WA Working with Children Check. Refer to the School of Education Professional Experience website for details: <http://www.murdoch.edu.au/School-of-Education/Professional-Experience/Checks-and-clearances/>

Pre-service Teachers must submit a Placement Form to the School of Education Professional Experience Office by the due date. A Placement Form activates the placement process and guarantees a school placement. Placement details will be available on SONIA (the School of Education placement database) at <https://myplacement.murdoch.edu.au/SoniaOnline>

### **Professional Internship: Primary BEd/ECE (EDU381)**

Credit Points: 6

MURDOCH: ST2-placement, ST3-placement

This unit gives students the opportunity to consolidate their theoretical knowledge and develop a high level of professional competence in an early childhood setting. It aims to nurture the development of the reflective practitioner and establish a foundation for confronting the issues associated with the professional responsibilities of being a teacher.

Seven weeks full-time block placement in a school.

Prerequisites: Enrolment in the final semester of a Bachelor of Education (Early Childhood and Primary) OR Bachelor of Education (Primary) and Early Childhood minor. Students will be required to have successfully completed all the required units.

Exclusions: BEd (Primary) students who are not enrolled in Early Childhood Education.

Completion of the relevant Professional Internship Preliminary unit (EDU379) in the same semester will be expected.

Pre-service teachers must have two current mandatory checks on record in the Murdoch University School of Education Professional Experience Office prior to commencement of this placement: Department of Education National Police History Check and a WA Working with Children Check. Refer to the School of Education Professional Experience website for details: <http://www.murdoch.edu.au/School-of-Education/Professional-Experience/Checks-and-clearances/>

Pre-service Teachers must submit a Placement Form to the School of Education Professional Experience Office by the due date. A Placement Form activates the placement process and guarantees a school placement. Placement details will be available on SONIA (the School of Education placement database) at <https://myplacement.murdoch.edu.au/SoniaOnline>

### **Professional Internship: Primary BEd/Inclusive Ed (EDU384)**

Credit Points: 6

MURDOCH: ST2-placement, ST3-placement

This unit gives students the opportunity to consolidate their theoretical understandings and develops a high level of professional competence. It aims to nurture development of the reflective practitioner and establish a foundation for confronting issues associated with the professional responsibilities of being a teacher.

Seven weeks full-time block placement in a school.

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Prerequisites: Enrolment in the final semester of a Bachelor of Education (Primary) and Inclusive Education minor.

Exclusions: BEd (Primary) students who are not enrolled in Inclusive Education minor.

Students will be required to have successfully completed all the required units. Completion of the relevant Professional Internship Preliminary unit (EDU383) in the same semester will be expected. Pre-service teachers must have two current mandatory checks on record in the Murdoch University School of Education Professional Experience Office prior to commencement of this placement: Department of Education National Police History Check and a WA Working with Children Check. Refer to the School of Education Professional Experience website for details: <http://www.murdoch.edu.au/School-of-Education/Professional-Experience/Checks-and-clearances/> Pre-service Teachers must submit a Placement Form to the School of Education Professional Experience Office by the due date. A Placement Form activates the placement process and guarantees a school placement. Placement details will be available on SONIA (the School of Education placement database) at <https://myplacement.murdoch.edu.au/SoniaOnline>

### **Professional Internship: Primary GradDipEd (EDU292)**

Credit Points: 4

MURDOCH: ST2-placement, ST3-placement

This unit gives students the opportunity to consolidate their theoretical understanding and develop a high level of professional competence. It aims to nurture the development of the reflective practitioner and establish a foundation for confronting the issues associated with the professional responsibilities of being a teacher.

Seven weeks full-time block placement in a school.

Prerequisites: Enrolment in the final semester of a Graduate Diploma in Education (Primary). Students will be required to have successfully completed all the required curriculum and school experience units.

Exclusions: Students in the BEd (Primary) should not enrol in this unit, but rather in the 6-point version EDU378 Professional Internship: Primary BEd.

Completion of the relevant Professional Internship Preliminary unit (EDU291) in the same semester will be expected.

Pre-service teachers must have two current mandatory checks on record in the Murdoch University School of Education Professional Experience Office prior to commencement of this placement: Department of Education National Police History Check and a WA Working with Children Check. Refer to the School of Education Professional Experience website for details: <http://www.murdoch.edu.au/School-of-Education/Professional-Experience/Checks-and-clearances/>

Pre-service Teachers must submit a Placement Form to the School of Education Professional Experience Office by the due date. A Placement Form activates the placement process and guarantees a school placement. Placement details will be available on SONIA (the School of Education placement database) at <https://myplacement.murdoch.edu.au/SoniaOnline>

### **Professional Internship: Primary Teaching (EDN4300)**

Credit Points: 6

Not available this year

Pre-service teachers must have two current mandatory checks on record in the Murdoch University School of Education Professional Experience Office prior to commencement of this placement: Department of Education National Police History Check and a WA

Working with Children Check. Refer to the School of Education Professional Experience website for details:

<http://www.murdoch.edu.au/School-of-Education/Professional-Experience/Checks-and-clearances/>

Pre-service Teachers must submit a Placement Form to the School of Education Professional Experience Office by the due date. A Placement Form activates the placement process and guarantees a school placement. Placement details will be available on SONIA (the School of Education placement database): <https://myplacement.murdoch.edu.au/SoniaOnline>

### **Professional Internship: Secondary BEd (EDU389)**

Credit Points: 6

MURDOCH: ST2-placement, ST3-placement

This unit gives students the opportunity to consolidate their theoretical knowledge and develop a high level of professional competence. It aims to nurture the development of the reflective practitioner and establish a foundation for confronting the issues associated with the professional responsibilities of being a teacher.

Six weeks full-time block placement in a school.

Prerequisites: Enrolment in the final semester of a Bachelor of Education (Secondary) OR Bachelor of Education (Secondary) (Graduate) and successful completion of, or concurrent enrolment in, EDU387 Professional Internship Prelim: Secondary BEd.

Exclusions: Students in the GradDipEd (Secondary) should not enrol in this unit, but rather in the 4-point version EDU297 Professional Internship: Secondary GradDipEd.

Completion of the relevant Professional Internship Preliminary unit (EDU387) in the same semester will be expected.

Pre-service teachers must have two current mandatory checks on record in the Murdoch University School of Education Professional Experience Office prior to commencement of this placement: Department of Education National Police History Check and a WA Working with Children Check. Refer to the School of Education Professional Experience website for details: <http://www.murdoch.edu.au/School-of-Education/Professional-Experience/Checks-and-clearances/>

Pre-service Teachers must submit a Placement Form to the School of Education Professional Experience Office by the due date. A Placement Form activates the placement process and guarantees a school placement. Placement details will be available on SONIA (the School of Education placement database) at <https://myplacement.murdoch.edu.au/SoniaOnline>

### **Professional Internship: Secondary GradDipEd (EDU297)**

Credit Points: 4

MURDOCH: ST2-placement, ST3-placement

This unit gives students the opportunity to consolidate their theoretical understanding and develop a high level of professional competence. It aims to nurture the development of the reflective practitioner and establish a foundation for confronting the issues associated with the professional responsibilities of being a teacher.

Seven weeks full-time block placement in a school.

Prerequisites: Enrolment in the final semester of a Graduate Diploma in Education (Secondary). Students will be required to have successfully completed all the required curriculum and school experience units.

Exclusions: Students in the BEd (Secondary) should not enrol in this unit, but rather in the 6-point unit, EDU389 Professional Internship: Secondary BEd.

Completion of the relevant Professional Internship Preliminary unit (EDU293) in the same semester will be expected.

Pre-service teachers must have two current mandatory checks on record in the Murdoch University School of Education Professional Experience Office prior to commencement of this placement: Department of Education National Police History Check and a WA Working with Children Check. Refer to the School of Education Professional Experience website for details:

<http://www.murdoch.edu.au/School-of-Education/Professional-Experience/Checks-and-clearances/>

Pre-service Teachers must submit a Placement Form to the School of Education Professional Experience Office by the due date. A Placement Form activates the placement process and guarantees a school placement. Placement details will be available on SONIA (the School of Education placement database) at <https://myplacement.murdoch.edu.au/SoniaOnline>

### **Professional Internship: Secondary Graduate Diploma (EDN510)**

Credit Points: 6

MURDOCH: ST3-placement, ST4-placement

This unit gives students the opportunity to consolidate their theoretical understandings of teaching and develop a high level of professional competence in a Secondary School setting. It aims to nurture the development of the reflective practitioner and establish a foundation for confronting the issues associated with the professional responsibilities of being a teacher. On completion of the unit students will be expected to show evidence of achievement at the Graduate level in each of the National Program Standards for Teachers.

Seven weeks full-time block placement in a secondary school.

Prerequisites: Enrolment in the final semester of the Graduate Diploma in Education (Secondary). Students must have successfully completed all other required teaching and school experience units, including the relevant Professional Internship (Preliminary). Completion of the relevant Professional Internship (Preliminary) unit in the same semester will be expected.

Exclusions: Students enrolled in the BEd (Secondary)/BA or the BEd (Secondary)/BSc should not enrol in this unit.

Students who have successfully completed EDU297 Professional Internship: Secondary GradDipEd may not enrol in this unit for credit.

Pre-service teachers must have two current mandatory checks on record in the Murdoch University School of Education Professional Experience Office prior to commencement of this placement: Department of Education National Police History Check and a WA Working with Children Check. Refer to the School of Education Professional Experience web site for details <http://www.murdoch.edu.au/School-of-Education/Professional-Experience/Checks-and-clearances/>

Pre-service Teachers must submit a Placement Form to the School of Education Professional Experience Office by the due date. A Placement Form activates the placement process and guarantees a school placement. Placement details will be available on SONIA (the School of Education placement database) at <https://myplacement.murdoch.edu.au/SoniaOnline>

### **Professional Internship: Secondary Teaching (EDN4301)**

Credit Points: 6

Not available this year

Pre-service teachers must have two current mandatory checks on record in the Murdoch University School of Education Professional Experience Office prior to commencement of this placement: Department of Education National Police History Check and a WA Working with Children Check. Refer to the School of Education Professional Experience website for details:

<http://www.murdoch.edu.au/School-of-Education/Professional-Experience/Checks-and-clearances/>

Pre-service Teachers must submit a Placement Form to the School of Education Professional Experience Office by the due date. A Placement Form activates the placement process and guarantees a school placement. Placement details will be available on SONIA (the School of Education placement database): <https://myplacement.murdoch.edu.au/SoniaOnline>

### **Professional Issues in Nursing Practice (NUR365)**

Credit Points: 3

PEEL: S2N-internal

This unit is the second of the two units that focus on professional matters underpinning contemporary nursing practice. The broader context of State, National and International issues that affect the nursing profession will be presented and students offered opportunity to explore the nursing responsibilities that are major factors in ensuring safety and quality in healthcare. Emphasis on the evolution from student nurse to registered nurse will be made.

Lectures: 12 x 1 hour; workshops: 12 x 2 hours delivered across 3 intensive one week periods in semester 2.

Prerequisites: Must have successfully completed the previous 5 semesters of core Nursing units.

Exclusions: Students who have successfully completed NUR309 Contemporary Nursing Management in Health Care, NUR336 Transitional and Leadership in the Nursing Profession and NUR398 Clinical Practice Transition Options may not enrol in this unit for credit. Students who have only successfully completed some of these units should contact the Academic Chair.

Students are required to enrol full-time in the final semester of third year in NUR366 Clinical Practice 5, NUR367 Clinical Practice 6 and NUR365 Professional Issues in Nursing Practice.

### **Professional Placement (ART325)**

*As for MCC325 except:*

Credit Points: 3

Not available this year

### **Professional Placement (MCC325)**

Credit Points: 4

MURDOCH: S1-placement, S2-placement, SUM-placement, W-placement

The aim of this unit is to give selected final year students on-the-job industry experience to provide a practical bridge from university into the workplace. Industry placements in metropolitan or regional centres will be full-time across four weeks (or part-time equivalent). During this time students are required to demonstrate a range of skills relevant to their vocational specialisation.

Consultations with Unit Coordinator.

Other learning experiences vary according to the discipline.

Prerequisites: Permission of the Academic Chair.

### **Professional Placement in Media Production (MCC625)**

Credit Points: 3

MURDOCH: S1-placement, S2-placement, SUM-placement, W-placement

The aim of this unit is to give selected students on-the-job industry experience to provide a practical bridge from university into the workplace. Industry placements in metropolitan or regional centres

will be full-time across four weeks (or part-time equivalent). During this time students are required to demonstrate a range of skills relevant to their vocational specialisation.

Consultations with Unit Coordinator.

Prerequisites: Permission of the Academic Chair.

### **Professional Practice and Organisational Consulting (PSY563)**

Credit Points: 3

MURDOCH: S1-external

This unit will focus on professional, practical and methodological issues related to the practice of organisational psychology, including: ethical and legal issues; cultural and ethnic issues; consulting skills; building and running a private practice; working with data in organisations; service evaluation; record keeping, report writing and accountability.

Online discussions with minimum contribution requirements.

Prerequisites: Enrolment in PgDipConsultPsych or GDipConsultPsych or MAppPsych or DPsych or MAppPsych/PhD or, for other Masters students, permission of the Unit Coordinator.

This unit was previously PSY575/S575 Professional Practice Issues.

### **Professional Practice Management (CHI519)**

Credit Points: 2

MURDOCH: T1-internal

This unit introduces the aspects of practice management, exploring concepts including startup, associate, locum or partner in another practice. Business theory will be outlined in reference to practice location, business finance, securing business loans, hiring staff, marketing, record keeping and policy and procedures. This is a basis for the student to develop life-long learning skills and business tools that they will need in their respective professions.

Lectures: 2 hours; workshops: 2 hours per week.

Prerequisites: Nil.

### **Professional Practice Management (CHI520)**

*As for CHI519 except:*

Credit Points: 3

Not available this year

### **Professional Psychology: Practicum 1 (Pre-clinical) (PSY601)**

Credit Points: 3

MURDOCH: S1-internal, S1-placement, SUM-placement, Y-placement

Placements will give students experience in various forms of investigation and intervention presently practised in professional psychology. The principal aim is to apply knowledge, experience and research from all aspects of scientific psychology to health care, education and social problems. Placements are normally based in one or more of the clinics within the Murdoch School of Psychology and Exercise Science Clinics. Students will be supervised by clinical psychologists on the Psychology Board Australia list of accredited supervisors.

Practical placements: 5 months at 2 days per week or equivalent.

In preparation for the practicum unit, students must familiarise themselves with the Australian Psychological Society Professional and Ethical Practice Guidelines.

Prerequisites: Enrolment in MAppPsych (Professional); concurrent enrolment in, or successful completion of, PSY669 Psychotherapy in Practice and PSY664 Clinical Psychology: Working with Children and Families and PSY662 Psychological Assessment: Theory and Method and PSY6551 Psychology: Advanced Thesis Research Methods.

Provisional Registration as a Psychologist with Psychology Board of Australia is also required.

Exclusions: Students who are experiencing mental health issues that may impair their ability to safely work with clients will not be approved for practicum enrolment. Students that may pose a danger to the public will not be approved for practicum enrolment.

A result of Ungraded Pass or Fail is awarded for this unit.

### **Professional Psychology: Practicum 1 (Professional) (PSY605)**

Credit Points: 3

MURDOCH: S1-placement, SUM-placement, Y-placement

Placements will give students experience in various forms of investigation and intervention presently practised in professional psychology. The principal aim is to apply knowledge, experience and research from all aspects of scientific psychology to health care, education and social problems. Placements are normally based in one or more of the clinics within the Murdoch School of Psychology and Exercise Science Clinics. Supervision will be by a psychologist on the Psychology Board Australia list of accredited supervisors but not by a clinical psychologist.

Practical placements: 5 months at 2 days per week or equivalent.

In preparation for the practicum unit, students must familiarise themselves with the Australian Psychological Society Professional and Ethical Practice Guidelines.

Prerequisites: Enrolment in MAppPsych (Professional); concurrent enrolment in, or successful completion of, PSY669 Psychotherapy in Practice and PSY664 Clinical Psychology: Working with Children and Families and PSY662 Psychological Assessment: Theory and Method and PSY6551 Psychology: Advanced Thesis Research Methods.

Provisional Registration as a Psychologist with Psychology Board of Australia is also required.

Exclusions: Students who are experiencing mental health issues that may impair their ability to safely work with clients will not be approved for practicum enrolment. Students that may pose a danger to the public will not be approved for practicum enrolment.

A result of Ungraded Pass or Fail is awarded for this unit.

### **Professional Psychology: Practicum 1 (Workplace Internship) (PSY607)**

Credit Points: 3

MURDOCH: S1-placement, SUM-placement, Y-placement

Placements will give students experience in various forms of investigation and intervention presently practised in professional psychology. The principal aim is to apply knowledge, experience and research from all aspects of scientific psychology to health care, education and social problems. Placements are normally based in one or more of the clinics within the Murdoch School of Psychology and Exercise Science Clinics. Workplace based practicums are possible through negotiation with the practicum coordinator.

Practical placements: 5 months at 2 days per week or equivalent.

In preparation for the practicum unit, students must familiarise themselves with the Australian Psychological Society Professional and Ethical Practice Guidelines.

Prerequisites: Enrolment in MAppPsych (Professional); concurrent



enrolment in, or successful completion of, PSY669 Psychotherapy in Practice and PSY664 Clinical Psychology: Working with Children and Families and PSY662 Psychological Assessment: Theory and Method and PSY6551 Psychology: Advanced Thesis Research Methods.

Provisional Registration as a Psychologist with Psychology Board of Australia is also required.

Exclusions: Students who are experiencing mental health issues that may impair their ability to safely work with clients will not be approved for practicum enrolment. Students that may pose a danger to the public will not be approved for practicum enrolment.

A result of Ungraded Pass or Fail is awarded for this unit.

### **Professional Psychology: Practicum 2 (Pre-clinical) (PSY602)**

Credit Points: 3

MURDOCH: S2-placement, SUM-placement, Y-placement

Placements will give students experience in various forms of investigation and intervention presently practised in professional psychology. The principal aim is to apply knowledge, experience and research from all aspects of scientific psychology to health care, education and social problems. Placements are normally based in one or more of the clinics within the Murdoch School of Psychology and Exercise Science Clinics. Students will be supervised by clinical psychologists on the Psychology Board Australia list of accredited supervisors.

Practical placements: 5 months at 2 days per week or equivalent.

In preparation for the practicum unit, students must familiarise themselves with the Australian Psychological Society Professional and Ethical Practice Guidelines.

Prerequisites: Enrolment in MAppPsych (Professional); concurrent enrolment in, or successful completion of, PSY669 Psychotherapy in Practice and PSY664 Clinical Psychology: Working with Children and Families; PSY662 Psychological Assessment: Theory and Method and PSY6551: Advanced Thesis Research Methods and PSY610: Professional Psychology: Research Project; and successful completion of PSY601 Professional Psychology Practicum 1 (Pre-clinical) or PSY607 Professional Psychology Practicum 1 (Workplace Internship) or approval of the Unit Coordinator. Provisional Registration as a Psychologist with Psychology Board of Australia is also required.

Exclusions: Students who are experiencing mental health issues that may impair their ability to safely work with clients will not be approved for practicum enrolment. Students that may pose a danger to the public will not be approved for practicum enrolment.

A result of Ungraded Pass or Fail is awarded for this unit.

### **Professional Psychology: Practicum 2 (Professional) (PSY606)**

Credit Points: 3

MURDOCH: S2-placement, SUM-placement, Y-placement

Placements will give students experience in various forms of investigation and intervention presently practised in professional psychology. The principal aim is to apply knowledge, experience and research from all aspects of scientific psychology to health care, education and social problems. Placements are normally based in one or more of the clinics within the Murdoch School of Psychology and Exercise Science Clinics. Supervision will be by a psychologist on the Psychology Board Australia list of accredited supervisors but not by a clinical psychologist.

Practical placements: 5 months at 2 days per week or equivalent.

In preparation for the practicum unit, students must familiarise themselves with the Australian Psychological Society Professional

and Ethical Practice Guidelines.

Prerequisites: Enrolment in MAppPsych (Professional); concurrent enrolment in, or successful completion of, PSY669 Psychotherapy in Practice and PSY664 Clinical Psychology: Working with Children and Families; PSY662 Psychological Assessment: Theory and Method and PSY6551: Advanced Thesis Research Methods and PSY610: Professional Psychology: Research Project; and successful completion of PSY601 Professional Psychology Practicum 1 (Pre-clinical) or PSY607 Professional Psychology Practicum 1 (Workplace Internship) or approval of the Unit Coordinator. Provisional Registration as a Psychologist with Psychology Board of Australia is also required.

Exclusions: Students who are experiencing mental health issues that may impair their ability to safely work with clients will not be approved for practicum enrolment. Students that may pose a danger to the public will not be approved for practicum enrolment.

A result of Ungraded Pass or Fail is awarded for this unit.

### **Professional Psychology: Practicum 2 (Workplace Internship) (PSY608)**

Credit Points: 3

MURDOCH: S2-placement, SUM-placement, Y-placement

Placements will give students experience in various forms of investigation and intervention presently practised in professional psychology. The principal aim is to apply knowledge, experience and research from all aspects of scientific psychology to health care, education and social problems. Placements are normally based in one or more of the clinics within the Murdoch School of Psychology and Exercise Science Clinics. Workplace based practicums are possible through negotiation with the practicum coordinator.

Practical placements: 5 months at 2 days per week or equivalent.

In preparation for the practicum unit, students must familiarise themselves with the Australian Psychological Society Professional and Ethical Practice Guidelines.

Prerequisites: Enrolment in MAppPsych (Professional); concurrent enrolment in, or successful completion of, PSY669 Psychotherapy in Practice and PSY664 Clinical Psychology: Working with Children and Families and PSY662 Psychological Assessment: Theory and Method and PSY6551: Advanced Thesis Research Methods and PSY610: Professional Psychology: Research Project; and successful completion of PSY601 Professional Psychology Practicum 1 (Pre-clinical) or PSY605 Professional Psychology Practicum 1 (Professional) or approval of the Unit Coordinator. Provisional Registration as a Psychologist with Psychology Board of Australia is also required.

Exclusions: Students who are experiencing mental health issues that may impair their ability to safely work with clients will not be approved for practicum enrolment. Students that may pose a danger to the public will not be approved for practicum enrolment.

A result of Ungraded Pass or Fail is awarded for this unit.

### **Professional Psychology: Research Project (PSY610)**

Credit Points: 3

MURDOCH: Y-internal

A substantial research investigation into some aspect of psychology reported as a relevant review of literature and a 'journal article'.

Research paper: approximately 9 hours per week for 37 weeks.

Prerequisites: Enrolment in MAppPsych (Professional); completion of, or concurrent enrolment in, PSY6551 Psychology: Advanced Thesis Research Methods or with prior approval of the Unit Coordinator.

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**Professional Writing and Editing (EGL232)**

Credit Points: 3

Not available this year

In this unit students reflect on a range of professional writing approaches, exploring written language as a 'living grammar', and refining their capacity as critical and focused writers and readers of their own and others' work. They will have the opportunity to write in a range of genres and styles. Finally, they will learn systematic approaches to the practices of editing and proofing of fiction and non-fiction texts, and develop techniques for refining academic, creative, workplace and other writing.

Lectures: 1 hour; tutorials: 1.5 hours.

Prerequisites: Nil.

Exclusions: Students who have successfully completed EGL332 Professional Writing cannot enrol in this unit for credit.

**Project in Creative Writing (EGL220)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

Students who have completed EGL122 can develop their skills through a more extended creative prose writing project. The EGL220 readings further extend students' awareness of the range of traditional and experimental narratives and writers' techniques. The unit broadens students' understanding of processes involved in writing creatively, approaches to research for creative writing, and further consideration of form and structure. Workshops will assist students in the transformation, development and crafting of their ideas to engage readers effectively.

Lecture: One introductory lecture up to an hour long in week 1 only; workshops: up to 2.5 hours per week.

Prerequisites: EGL122 Creative Writing: Text and Practice I (or EGL122 Reading and Writing I).

**Project Management (MBS641)**

Credit Points: 4

DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TMA-internal, TSA-internal  
SGP1: TMR-internal

This unit provides a generic approach to project management and is applicable to any project. You will gain a solid understanding of the various elements of project management including: planning, organising, controlling, scope management, meeting project objectives and attaining project success. You will be able to analyse the performance of a project during the execution phase; describe the major functions of project management and how they are applied.

Lectures/seminars/workshops: 2 x 4 hours (Weeks 1 - 4), 1 x 4 hours (Week 5).

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students who have successfully completed MBS6411 Project Management or MBS685 Project Management may not enrol in this unit for credit.

**Project Management (MBS641)****As for MBS641 except:**

Credit Points: 3

MURDOCH: S1-internal

Seminars and workshops are delivered in intensive teaching mode (24 hours contact time), which may include evenings and weekends. Students will then complete research assignments independently, in consultation with teaching staff.

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students who have successfully completed MBS641 Project Management or MBS685 Project Management may not enrol in this unit for credit.

**Project Management (MBS685)****As for MBS641 except:**

Credit Points: 3

MURDOCH: W-internal, W-external

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students who have successfully completed MBS641 Project Management or MBS6411 Project Management may not enrol in this unit for credit.

**Projects in Community Development (COD324)**

Credit Points: 4

MURDOCH: S2-internal, S2-external

This placement unit gives students the opportunity to examine how ideas and practice interconnect. The primary part of this unit requires students to undertake a short placement within an organisation that uses the language and ideas of community development. Students will be encouraged to look, listen and consider the linkages between theory and practice by going 'into the field' and reflecting on the process of working within the community.

Workshops: 3 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed COD326/526 Community Participatory Practice may not enrol in this unit for credit.

**Property Law A (LLB253)**

Credit Points: 3

MURDOCH: S1-internal

This unit aims to acquaint students with the principles of property law. Topics: property as a concept of law; traditional classification of property; the concept of possession; fixtures; the doctrine of tenure and of estates; creation and transfer of proprietary interests; priorities; general law conveyance and the Torrens system. The unit will consider aspects of the following statutes and their interpretation: Property Law Act 1969 (WA); Limitation Act 2005 (WA); and Transfer of Land Act 1893 (WA).

Lectures: 24 hours per semester; tutorials/workshops: up to 5 hours per semester.

Prerequisites: Successful completion of all Part I LLB (2014 on) core units, BJU100 Australian Legal Systems, BJU150 Law in Context OR successful completion of all Part I LLB (pre 2014) core units; successful completion/concurrent enrolment in LAW260 Contract or LLB260 Contract Law.

Exclusions: Students who have successfully completed LAW253 Property may not enrol in this unit for credit.

**Property Law B (LLB254)**

Credit Points: 3

MURDOCH: S2-internal

This unit aims to acquaint students with the principles of real property law. Topics: fragmentation of proprietary interests in land; the doctrine of tenure and doctrine of estates; brief coverage of Native title; leases; concurrent interests; mortgages, easements; profits and restrictive covenants. Key legislation covered in the unit include: Transfer of Land Act 1895 (WA); Property Law Act 1969 (WA) and Commercial Tenancy (Retail Shops) Agreements Act 1985 (WA).

Lectures: 24 lecture hours per semester week; tutorials/workshops: up to 5 hours per semester.

Prerequisites: Successful completion of LLB253 Property Law A; LLB260 Contract Law or LAW260 Contract.

Exclusions: Students who have successfully completed LAW253 Property may not enrol in this unit for credit.

**Protected Area Management and Planning (ENV246)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit will develop an understanding of the planning and management of protected areas, including issues of definition, representativeness, governance and effectiveness. The relationship between protected areas and their surrounding communities and landscapes/seascapes will be examined. Issues relating to the conservation of biodiversity whilst simultaneously ensuring the management of visitors, Indigenous and cultural heritage will be examined. Emphasis is placed on Australian and Western Australian case studies, developing techniques for conservation planning and field experience in developing management plans.

Lectures: 2 hours per week; laboratories/semester: 4 x 3 hours.

Fieldwork: one half-day field work component.

Prerequisites: Nil.

**Psychological Assessment: Theory and Method (PSY662)**

Credit Points: 3

MURDOCH: Y-internal

Core unit for all MAppPsych, combined MAppPsych/PhD and DPsych candidates. This Unit covers the major issues and methods that apply broadly to psychological assessment. The aim is to increase understanding of a scientist-practitioner approach to psychological practice and to develop competency in psychological assessment.

Seminars: 3 hours per fortnight; practical/workshops: to be determined.

It is expected that students will complete core readings out of class time and undertake test practice out of class time. Students are encouraged to work in groups of 3 for test practice.

Prerequisites: MAppPsych (Professional), MAppPsych, DPsych or MAppPsych/PhD; Enrolment in Pg or GradDipConsultPsych where candidate holds a four-year Psychology qualification or equivalent.

**Psychology and Law (CRM309)***As for LAW309 except:*

Credit Points: 4

MURDOCH: S2-internal

Lectures: 3 hours per week.

Prerequisites: LEG100 Law, Justice and Social Policy or LEG150 Australian Legal System.

Students enrolled in the LLB/BCrim joint degree must enrol in the CRM309 version of the unit; they must not enrol in the LAW309 version of the unit.

**Psychology and Law (CRM389)***As for LAW309 except:*

Credit Points: 3

Not available this year

Prerequisites: LEG100 Law, Justice and Social Policy or LEG150 Australian Legal System.

Exclusions: Students who have completed LAW309/CRM309 Psychology and Law may not enrol in this unit for credit.

**Psychology and Law (LAW309)**

Credit Points: 4

MURDOCH: S2-internal

This unit explores the similarities and differences between the disciplines of psychology and law. After comparing the premises of the two disciplines, the unit goes on to explore ways in which law can benefit from psychology and an understanding of psychological processes. Topics are covered from both a theoretical and applied perspective. The unit covers topics including interviewing, interrogations, false confessions, juries, and expert and eyewitness testimony. Students are encouraged to become critical consumers of law and its underlying premises.

Lectures: 3 hours per week.

Prerequisites: LAW252 Evidence.

Students enrolled in the LLB/BCrim joint degree must enrol in the CRM309 version of the unit; they must not enrol in the LAW309 version of the unit.

**Psychology and Law (LLB389)***As for LAW309 except:*

Credit Points: 3

Not available this year

Prerequisites: LAW252 Evidence.

Exclusions: Students who have completed LAW309/CRM309 Psychology and Law may not enrol in this unit for credit.

**Psychology Project (PSY541)**

Credit Points: 12

MURDOCH: H-internal, Y-internal

In this unit students will work in small groups with an academic supervisor to develop, conduct, and write up a research project on a topic in psychology. Students enrolled in this unit will be emailed explaining how to select projects. More information will be given in the first seminar in PSY599. This unit does not appear on the timetable because students arrange to meet at a mutually convenient time after groups have been formed.

Approximately weekly meetings with the supervisor and other

group members. Depending on the nature of the research project, additional group meetings without the supervisor and/or training sessions may be expected.

Prerequisites: Nil.

Exclusions: Students who have successfully completed PSY441 Psychology: Fourth Year Project may not complete this unit for credit.

### **Psychology: Abnormal Behaviour (PSY213)**

Credit Points: 4

MURDOCH: S2-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

This unit will introduce how abnormal behaviour is defined, and will explore the symptoms, causes and treatment of common and less common psychological disorders. These disorders and their treatment will be conceptualised through various theoretical frameworks, including cognitive, behavioural, systemic and neuropsychological approaches. Current issues relevant to both clinical practice and research will also be explored.

Lectures: 2 hours per week; tutorials: 5 x 2 hours per teaching period.

Prerequisites: PSY141 Introduction to Psychological Science or PSY171 Introduction to Applications of Psychology or PSY173 Introduction to Psychological Research Methods.

### **Psychology: Abnormal Behaviour (PSY388)**

Credit Points: 3

Not available this year

This unit will introduce how abnormal behaviour is defined, and will explore the symptoms, causes and treatment of common and less common psychological disorders. These disorders and their treatment will be conceptualised through various theoretical frameworks, including cognitive, behavioural, systemic and neuropsychological approaches. Current issues relevant to both clinical practice and research will also be explored.

Lectures/tutorials/laboratories/seminars: 3 hours per week.

Prerequisites: PSY141 Introduction to Psychological Science or PSY171 Introduction to Applications of Psychology or PSY173 Introduction to Psychological Research Methods.

Exclusions: Students who have successfully completed PSY213 Psychology: Abnormal Behaviour may not enrol in this unit for credit.

### **Psychology: Advanced Qualitative Research Methods (PSY391)**

Credit Points: 3

Not available this year

This unit examines qualitative research methods. The unit will focus upon the practical skills necessary for conducting a qualitative research project as well as the theoretical knowledge required to make a case for adopting qualitative methods in a research project. The unit will cover the four main qualitative methods used in the discipline of psychology; Grounded Theory, Discursive Psychology, Conversation Analysis and Interpretative Phenomenological Analysis. Students will gain the experience and knowledge necessary for conducting a qualitative research project independently.

Lectures/tutorials/laboratories/seminars: 3 hours per week.

Prerequisites: PSY173 Introduction to Psychological Research Methods OR PSY211 Psychological Methods I; PSY212 Psychology: Measurement, Design and Analysis.

The enrolment of students completing their studies in a discipline other than psychology will be considered on a case by case basis.

Psychology students enrolling in this unit from 2010 must have completed at least 10 hours as a participant in psychological research or have completed an essay on psychological research to the satisfaction of the Subject Pool Co-ordinator.

### **Psychology: Advanced Quantitative Research Methods (PSY311)**

Credit Points: 4

MURDOCH: S1-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

This unit provides students with a sophisticated appreciation of statistical and methodological issues in psychological research. Advanced statistical procedures will be addressed, including higher-order analysis of variance designs, analysis of covariance, multivariate analysis of variance, nonparametric statistics, factor analysis, multiple linear regression, and analytical strategies for multiple comparisons. In addition to gaining a conceptual understanding of these procedures, students will apply them to the practical analysis of data using the SPSS statistical package.

Lectures/tutorials/laboratories/seminars: 3 hours per week.

Prerequisites: PSY173 Introduction to Psychological Research Methods AND PSY212 Psychology: Measurement, Design and Analysis.

Exclusions: Students who have successfully completed PSY311 Psychological Research Methods III may not complete this unit for credit.

Students enrolling in this unit from 2010 must have completed at least 10 hours as a participant in psychological research or have completed an essay on psychological research to the satisfaction of the Subject Pool Coordinator.

### **Psychology: Advanced Research Methods (PSY655)**

Credit Points: 2

MURDOCH: Y-internal

This unit aims to train students in the latest methodological strategies to conduct applied research. It will facilitate students' ability to think about research questions, understand applied designs, manage relevant ethical issues, and communicate this through proposals relevant to ethics and scientific review committees. At its completion, students would be able to design and conduct research in applied settings; critically evaluate research publications and reports; understand the ethical issues in research; and appreciate how research informs the practice of psychology.

Seminars: 7 x 3 hours run in the first week of semester.

Prerequisites: Enrolment in Master of Applied Psychology in Clinical Psychology, or Master of Applied Psychology in Organisational Psychology.

Students will complete 21 hours in a single week followed by a 3 hour presentation class. Total assessments will be 20 hours.

A result of Ungraded Pass or Fail is awarded for this unit.

### **Psychology: Advanced Research Methods (PSY6551)**

**As for PSY655 except:**

Credit Points: 3

MURDOCH: Y-internal

Seminars: 7 x 3 hours run in the first week of semester.

Prerequisites: Enrolment in Master of Applied Psychology (Professional)

A result of Ungraded Pass or Fail is awarded for this unit.

**Psychology: Advanced Research Methods (PSY755)****As for PSY655 except:**

MURDOCH: Y-internal

Prerequisites: Doctor of Psychology in Clinical Psychology, or Doctor of Psychology in Organisational Psychology.

A result of Ungraded Pass or Fail is awarded for this unit.

**Psychology: Biological Bases of Behaviour (PSY251)**

Credit Points: 3

MURDOCH: S1-internal

This unit introduces students to the biological foundations of human behaviour. Topics include the organisation and function of the nervous system, the role of drugs and neurotransmitters in this system, the psychophysiology of motivational states such as sleep, temperature and eating, and the biology of learning, addiction, and mood disorders. Biological influences on emotion and psychopathology, and the impact of negative emotions on health, will also be addressed.

Lectures: 1 x 2 hours per week; tutorials: 11 x 1 hour per teaching period.

Prerequisites: PSY173 Introduction to Psychological Research Methods

Exclusions: Students who have successfully completed PSY351 Psychology: Biological Bases of Behaviour or PSY314 Psychology of Motivation and Emotion may not enrol in this unit for credit.

**Psychology: Biological Bases of Behaviour (PSY351)**

Credit Points: 4

MURDOCH: S1-internal

KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

This unit introduces students to the biological foundations of human behaviour. Topics include the organisation and function of the nervous system, the physiological basis of sensory experiences and movement, the psychophysiology of motivational states such as sleep, temperature and eating, and the neurobiology of cognitive processes such as language and memory. Biological influences on emotion and psychopathology, and the impact of negative emotions on health, will also be addressed.

Lectures: online; tutorials: 6 x 2 hours per teaching period.

Prerequisites: PSY173 Introduction to Psychological Research Methods and PSY212 Psychology: Measurement, Design and Analysis. PSY211 Psychological Methods I and PSY212 Psychological Methods II may be substituted for these units, respectively.

Exclusions: Students who have successfully completed PSY314 Psychology of Motivation and Emotion or PSY251 Biological Bases of Behaviour may not enrol in this unit for credit.

**Psychology: Cognitive and Developmental Neuroscience (PSY396)**

Credit Points: 3

MURDOCH: S2-internal

This capstone unit focuses on the techniques developed in cognitive neuroscience for studying the brain, its development and its influence on psychological functioning. These techniques include neuroimaging, the study of patients with brain lesions, and the study of how genes and environment influence neurodevelopment. Topics will include the infant brain, localisation of function, genes and cognition, executive functioning, developmental disorders, and the ageing brain. A group project will bring together central themes of the Cognitive Neuroscience and Health Psychology major.

Lectures and tutorials/laboratories: 3 hours per week.

Prerequisites: Students must have completed PSY251 Psychology: Biological Bases of Behaviour and PSY294 Psychology: Cognitive Processes.

**Psychology: Cognitive Processes (PSY294)**

Credit Points: 3

MURDOCH: S1-internal

Cognitive psychology explores the fascinating complexity of mental processes in all their forms and the field has derived enormous impetus in recent years from insights gained in disciplines as diverse as neuropsychology, neuroanatomy, artificial intelligence, philosophy of mind, and psycholinguistics. The main topics in this unit will include: attention, memory, speech and language, the organisation of knowledge, mental concepts and categories, imagery, and the role of emotion in cognition.

Lectures: 1 hour per week; laboratories: 5 x 2 hours per teaching period.

Prerequisites: PSY173 Introduction to Psychological Research Methods

Exclusions: Students who have successfully completed PSY353 Psychology: Cognitive Processes or PSY312 Psychology: Human Learning and Cognition, may not enrol in this unit for credit.

**Psychology: Cognitive Processes (PSY353)**

Credit Points: 4

MURDOCH: S1-internal

KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

Cognitive psychology explores the fascinating complexity of mental processes in all their forms and the field has derived enormous impetus in recent years from insights gained in disciplines as diverse as neuropsychology, neuroanatomy, imaging technologies, artificial intelligence, philosophy of mind, and psycholinguistics. The main topics will include: attention, memory, language, cognitive processes in speech and language, the organisation of knowledge, mental concepts and categories, problem solving, animal language, and the neural foundations of cognition.

Lectures: 1 x 2 hours per week; tutorials: 5 x 2 hours per teaching period.

Prerequisites: PSY173 Introduction to Psychological Research Methods OR PSY211 Psychological Research Methods I; PSY212 Psychology: Measurement, Design and Analysis.

Exclusions: Students who have successfully completed PSY312 Psychology: Human Learning and Cognition may not enrol in this unit for credit.

**Psychology: Drugs and Dependence (PSY215)**

Credit Points: 4

MURDOCH: S1-internal

This unit examines the major classes of psychotropic drugs including those with abuse potential. The physical and physiological factors involved in the action of drugs, their administration, metabolism, excretion and in their use, will be described; pharmacotherapy for drug dependence will be critically discussed. Students will review the history of substance abuse and addictions, examine current patterns of addictions and substance abuse behaviour in a psychological context and discuss the use of psychological interventions.

Lectures: 1 x 2 hours per week; tutorials: 6 x 2 hours per teaching period.

Prerequisites: PSY141 Introduction to Psychological Science or PSY171 Introduction to Applications of Psychology or PSY173 Introduction to Psychological Research Methods or PSY101 Introduction to Cultural and Community Psychology.

Exclusions: Students who have successfully completed PSY215 Addictions and Substance Abuse may not enrol in this unit for credit.

**Psychology: Drugs and Dependence (PSY389)**

Credit Points: 3

Not available this year

This unit examines the major classes of psychotropic drugs including those with abuse potential. The physical and physiological factors involved in the action of drugs, their administration, metabolism, excretion and in their use, will be described; pharmacotherapy for drug dependence will be critically discussed. Students will review the history of substance abuse and addictions, examine current patterns of addictions and substance abuse behaviour in a psychological context and discuss the use of psychological interventions.

Lectures/tutorials/laboratories/seminars: up to 3 hours per week.

Prerequisites: PSY141 Introduction to Psychological Science

Exclusions: Students who have successfully completed PSY215 Addictions and Substance Abuse or PSY215 Drugs and Dependence may not enrol in this unit for credit.

**Psychology: Family Relations and Social Development (PSY356)**

Credit Points: 4

MURDOCH: S2-internal

Relationships play a key role in development. From a family life cycle perspective, this unit examines how individuals manage developmental tasks within dynamic and evolving social contexts.

Lectures: 2 hours per week; tutorials: 5 x 2 hours per teaching period.

Prerequisites: PSY141 Introduction to Psychological Science OR PSY171 Introduction to Applications of Psychology OR PSY173 Introduction to Psychological Research Methods; PSY247 Psychology: Human Development.

Exclusions: PSY214 Psychology: Adolescent and Young Adult Development; PSY241 Psychology: Understanding Social and Emotional Development.

PSY143 Introduction to Developmental Psychology may be substituted for the prerequisite.

**Psychology: Family Relations and Social Development (PSY392)**

Credit Points: 3

Not available this year

Relationships play a key role in development. From a family life cycle perspective, this unit examines how individuals manage developmental tasks within dynamic and evolving social contexts.

Prerequisites: PSY141 Introduction to Psychological Science OR PSY171 Introduction to Applications of Psychology OR PSY173 Introduction to Psychological Research Methods; PSY247 Psychology: Human Development.

**Psychology: Fourth Year Project (PSY441)**

Credit Points: 8

MURDOCH: H-internal, Y-internal

In this unit, students will work in small groups with an academic supervisor to develop, conduct, and write up a research project on a topic in psychology. Students enrolled in this unit will be emailed explaining how to select projects. More information will be given in the first seminar in PSY412. This unit does not appear on the timetable because students arrange to meet at a mutually convenient time after groups have been formed.

Approximately weekly meetings will be held with the supervisor and other group members. Depending on the nature of the research project, additional group meetings without the supervisor and/or training sessions may be expected.

Prerequisites: PSY311 Psychology: Advanced Quantitative Research Methods or PSY315 Psychology: Advanced Qualitative Research Methods or enrolment in Postgraduate Diploma in Psychology.

Students must have completed 15 hours as a participant in psychological research or have completed an essay on psychological research to the satisfaction of the Subject Pool Coordinator. Dependent on newly proposed changes to the Subject Pool, this requirement may become defunct.

**Psychology: Fourth Year Seminar (PSY412)**

Credit Points: 4

MURDOCH: S1-internal

This unit will deal with a range of themes which are central to the science and practice of psychology. The unit is run as an interactive seminar. Typical themes covered include critical methods issues pertaining to the practice of psychology and advanced and integrated topics.

Seminars/workshops: 2 hours per week.

Prerequisites: PSY311 Psychology: Advanced Quantitative Research Methods or PSY315 Psychology: Advanced Qualitative Research Methods or enrolment in Postgraduate Diploma in Psychology.

Exclusions: Students who have successfully completed PSY599 Graduate Seminar in Psychology may not enrol in this unit for credit.

**Psychology: Honours Seminar (PSY411)**

Credit Points: 4

Not available this year

The fundamental science of psychology and the application and professional practice of psychology. Possible topics: examination of the nature of scientific enquiry; the role of values in science and the ways in which these affect the practice and publication of research; the need for the scientific researcher to be concerned with the application of the results of the science. Attention will be paid to

ethics in the conduct of psychological research and to the communication of psychological knowledge.

Lectures/tutorials/laboratories/seminars: up to 3 hours per week.

Prerequisites: PSY311 Psychology: Advanced Quantitative Research Methods or PSY315 Psychology: Advanced Qualitative Research Methods or enrolment in BA Psych (Hons).

Students must have completed 15 hours as a participant in psychological research or have completed an essay on psychological research to the satisfaction of the Unit Coordinator.

### **Psychology: Honours Seminar (PSY501)**

Credit Points: 3

MURDOCH: S1-internal

The fundamental science of psychology and the application and professional practice of psychology. Possible topics: examination of the nature of scientific enquiry; the role of values in science and the ways in which these affect the practice and publication of research; the need for the scientific researcher to be concerned with the application of the results of the science. Attention will be paid to ethics in the conduct of psychological research and to the communication of psychological knowledge.

Lectures/tutorials/laboratories/seminars: up to 3 hours per week.

Prerequisites: PSY311 Psychology: Advanced Quantitative Research Methods or PSY315 Psychology: Advanced Qualitative Research Methods or enrolment in BA Psych (Hons), Honours in Psychology (BA(Hons)), Honours in Psychology (BSc(Hons)), Honours in Psychology (BPsych(Hons)).

### **Psychology: Human Development (PSY247)**

Credit Points: 4

KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

This unit examines human development from conception through to death. At each broad stage of the lifespan the biosocial, cognitive and psychosocial influences on the individual are studied and integrated to understand the developing person.

Lectures/tutorials/laboratories/seminars: 3 hours per week.

Students are required to undertake group work; this involves self-directed project management and team work with peers.

Prerequisites: PSY141 Introduction to Psychological Science OR PSY171 Introduction to Applications of Psychology OR PSY173 Introduction to Psychological Research Methods.

Exclusions: Students who have successfully completed PSY143 Introduction to Developmental Psychology may not enrol in this unit for credit.

### **Psychology: Human Development (PSY286)**

Credit Points: 3

MURDOCH: S2-internal

This unit examines human life span development from conception through to death. The developmental theories are presented and the biosocial, cognitive and psychosocial influences on the individual are studied and integrated to understand the developing person. The unit aims to: 1) provide overview of the nature and scope of developmental psychology, including theories, research methodologies and applications; 2) promote understanding of the developing person at different periods in the lifespan; 3) develop analytical skills regarding the application of human development research.

Lectures: 1.5 hours per week; tutorials: 5 x 1.5 hours per teaching period.

Group work involving self-directed project management and team work with peers.

Prerequisites: PSY141 Introduction to Psychological Science OR PSY171 Introduction to Applications of Psychology OR PSY173 Introduction to Psychological Research Methods OR PSY101 Introduction to Cultural and Community Psychology

Exclusions: Students who have successfully completed PSY247 Psychology: Human Development or PSY143 Introduction to Developmental Psychology may not enrol in this unit for credit.

### **Psychology: Industrial and Organisational Issues (PSY434)**

Credit Points: 4

MURDOCH: S2-internal

This unit provides an overview of selected issues in practising psychology within organisations. It will include an introduction to contemporary issues such as: project management, training psychologists, organisational responses to stress and trauma, and understanding business decisions.

Seminar: 2 hours per fortnight

Prerequisites: Nil.

### **Psychology: Measurement, Design and Analysis (BSC201)**

Credit Points: 3

MURDOCH: S1-internal

This unit will provide students with knowledge of fundamental concepts involved in psychological methods, research design, data analysis, and in the interpretation of published research. Students will develop skills in assessing which designs and methods are appropriate to test different hypotheses, understanding which types of analyses are most appropriate to analyse different types of data, the ability to conduct analyses using statistical software and to communicate their results clearly.

Lectures: 2 hours; laboratories: 1 hour.

Prerequisites: PSY173 Introduction to Psychological Research Methods or PSY211 Psychological Methods I.

Exclusions: Students who have successfully completed PSY212 Psychology: Measurement, Design and Analysis, PSY212 Psychological Methods II, BSC206 Introduction to Research Methodology and Evidence Based Practice, BSC203 Introduction to ICT Research Methods, or BSC200 Research in the Physical and Life Sciences may not enrol in this unit for credit.

Students enrolling in this unit from 2010 must have completed at least 5 hours as a participant in psychological research or have completed an essay on psychological research to the satisfaction of the Subject Pool Coordinator.

### **Psychology: Measurement, Design and Analysis (PSY212)**

Credit Points: 4

KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

This unit will provide students with knowledge of fundamental concepts involved in psychological methods, research design, data analysis, and in the interpretation of published research. Students will develop skills in assessing which designs and methods are appropriate to test different hypotheses, understanding which types of analyses are most appropriate to analyse different types of data, the ability to conduct analyses using statistical software and to communicate their results clearly.

Lectures: 2 hours; laboratories: 1 hour.

Prerequisites: PSY173 Introduction to Psychological Research Methods or PSY211 Psychological Methods I.

Exclusions: Students who have successfully completed PSY212 Psychological Methods II may not enrol in this unit for credit.

Students enrolling in this unit from 2010 must have completed at least 5 hours as a participant in psychological research or have completed an essay on psychological research to the satisfaction of the Subject Pool Coordinator.

### **Psychology: Practical Placement (PSY544)**

Credit Points: 3

MURDOCH: S1-placement (quota of 30 places), S2-placement (quota of 30 places), W-placement (quota of 10 places)

The purpose of this unit is to give students opportunities to gain skills and experience from a workplace in an applied setting. Supervision will be provided jointly by university staff and practitioners in, whenever possible, the field of choice. This unit is designed to comply with the University Workplace learning policy. Selection to placements is based on academic performance in Psychology units and other criteria.

5 days placement preparation (which includes 9 hours of required seminar participation).

10 days on placement. The individual learning experiences will vary based on the placement to which a student is allocated. There will be practical components, a major project and diary requirements as the main learning tools.

Prerequisites: Nil.

Exclusions: Students who have successfully completed PSY444 BPsych Practical Placements may not enrol in this unit for credit.

Students may require Police Clearance and Working with Children Certificates where appropriate. Students wishing to apply for the unit must submit an application to the Unit Coordinator. The application form is available from <http://www.murdoch.edu.au/School-of-Psychology-and-Exercise-Science/Staff-and-Student-forms-and-resources/>

A result of Ungraded Pass or Fail is awarded for this unit.

This unit is subject to quota. Quota is due to limited resources for supervising students during practicum. Selection may be based on academic performance in core Psychology units, as well as other criteria and the number of placements available.

### **Psychology: Principles and Processes of Interventions (PSY436)**

Credit Points: 4

MURDOCH: S2-internal

This unit covers the application of psychology to facilitating individual, family and organisational change. The unit will draw on the scientific approach that underpins psychology and show how this can be applied in the psychotherapeutic context. The content will cover the importance of the therapeutic alliance, interventions, the role of formulation, and the different measures of outcomes that can be employed.

Lectures/workshops: up to 3 hours per week on average.

Prerequisites: PSY213 Psychology: Abnormal Behaviour and either PSY311 Psychology: Advanced Quantitative Research Methods or PSY315 Psychology: Advanced Qualitative Research Methods; OR enrolment in Postgraduate Diploma in Psychology OR BA Psych (Hons) OR BPsych (Hons).

Exclusions: Students who have completed PSY436 Advanced Topic

E may not enrol in this unit for credit.

### **Psychology: Principles and Processes of Psychological Intervention (PSY536)**

Credit Points: 3

MURDOCH: S2-internal

This unit covers the application of psychology to facilitating individual, family and organisational change. The unit will draw on the scientific approach that underpins psychology and show how this can be applied in the psychotherapeutic context. The content will cover the importance of the therapeutic alliance, interventions, the role of formulation, and the different measures of outcomes that can be employed.

Lectures/workshops: up to 3 hours per week on average.

Prerequisites: Enrolment in G1058 Graduate Diploma in Psychology (GradDipPsych), or H1251 Honours in Psychology (BA(Hons)), or H1252 Honours in Psychology (BSc(Hons)), or H1256 Psychology Honours (BA(Hons)), or H1257 Psychology Honours (BSc(Hons)), or H1195 Psychology Honours (BPsych(Hons)), or H1116 Honours in Psychology (BA(Hons)).

Exclusions: Students who have completed PSY436 Psychology: Principles and Processes of Interventions may not enrol in this unit for credit.

### **Psychology: Principles of Psychological Assessment (PSY431)**

Credit Points: 4

MURDOCH: S1-internal

This unit examines the major theoretical issues, practical applications and ethical considerations associated with individual and group psychological assessment and measurement techniques.

Lectures: 3 hours.

Prerequisites: PSY311 Advanced Quantitative Research Methods or PSY315 Advanced Qualitative Research methods or enrolment in Postgraduate Diploma in Psychology or BA Psychology (Hons) or BPsych (Hons).

Exclusions: Students who have successfully completed PSY431 Psychology: Advanced Topic A may not enrol in this unit for credit.

### **Psychology: Psychological Research Placement (PSY380)**

Credit Points: 4

MURDOCH: S1-placement, S2-placement, Y-placement

The research placement provides experience in aspects of psychological research with the principal aim of developing research skills in preparation for the honours project. Students will work in a research setting under the supervision of academic staff on research-related activities, which may include literature searches, data collection and entry, and statistical analyses.

Research placement: 12 weeks at 8 hours per week or equivalent.

Prerequisites: Enrolment in BPsych (Honours) or permission of Unit Coordinator; and completion of PSY212 Psychology: Measurement, Design and Analysis.



### **Psychology: Research Topics in Psychology (PSY250)**

Credit Points: 4

Not available this year

This unit gives students exposure to cutting-edge research topics across a range of different areas of psychology. Students will develop the ability to critically engage with contemporary academic scholarship within the discipline through attending a series of seminars delivered by different researchers across a range of topics. Critical reflection upon these seminars will be encouraged through tutorial and assessment exercises.

Seminars/tutorials: 1.5 hours per week (or equivalent).

Prerequisites: Enrolment in BPsych (Honours) or permission of Unit Coordinator.

This unit provides foundation skills and knowledge for students wishing to enrol in PSY380 Psychology: Psychological Research Placement.

### **Psychology: Safety, Errors and Accidents (PSY357)**

Credit Points: 4

KAPLAN-SGP: TMA-internal

This unit examines contemporary issues in industrial and organisational settings. The topics will provide students with an overview into psychological issues in the I/O sector, such as: job design and working conditions; error detection and management; accident and disaster investigation; organisation culture and safety; occupational health and safety responsibilities; and product and process responsibilities and liabilities. Theories will be discussed and critically evaluated along with an examination of case studies from the transportation, chemical and nuclear industries.

Lectures/tutorials/laboratories/seminars: 3 hours per week.

Prerequisites: Nil.

### **Psychology: Self and Society (PSY287)**

Credit Points: 3

MURDOCH: S2-internal

This unit explores the concept of 'self'; the relationship between our identities in the social world and our experiences of self. It considers how gender, ethnicity, age, and sexuality shape the ways in which we think about ourselves and others, as well as our treatment of those who do not share our identities. It also considers the political and ideological implications of particular ways of thinking about 'self' and how particular identities and states of being are promoted or marginalised.

Lectures: 2 hours per week; tutorials: 5 x 2 hours per teaching period.

Prerequisites: Students must have completed PSY285 Psychology: Social Bases of Behaviour or PSY248 Psychology: Social Bases of Behaviour and at least one of the following units: PSY141 Introduction to Psychological Science; PSY101 Introduction to Cultural and Community Psychology; PSY173 Introduction to Psychological Research Methods.

Exclusions: Students who have successfully completed PSY218 Psychology: Self and Society, PSY218 Self and Identity, PSY219 Psychology: The Individual and Society or S357 Social Psychology II may not enrol in this unit for credit.

### **Psychology: Sensation and Perception (PSY297)**

Credit Points: 3

MURDOCH: S2-internal

This unit explores how humans experience the world around them through the senses of vision, audition, balance, smell, and taste, namely how biological (sensory) inputs are used in the psychological process of perception. Students will examine the physiological and psychological foundations of sensation and perception, psychophysical methods, phenomenology, and deficiencies in sensory abilities.

Lectures: 2 hours per week.

Prerequisites: PSY141 Introduction to Psychological Science.

Exclusions: Students who have successfully completed PSY358 Psychology: Sensation and Perception may not enrol in this unit for credit.

### **Psychology: Social Bases of Behaviour (PSY248)**

Credit Points: 4

KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

This unit explores how we make sense of ourselves and others, and how the 'actual, imagined or implied' presence of others influences our thoughts and behaviours. We will examine what social psychology can tell us about fundamental questions like 'Who Am I?', as well as 'real-world' topics like 'Why are people cruel (and when will they be kind)?'. In doing so, students will learn about major theories, methods and classic studies of social psychology.

Lectures/tutorials/laboratories/seminars: 3 hours per week.

Prerequisites: PSY141 Introduction to Psychological Science OR PSY171 Introduction to Applications of Psychology OR PSY173 Introduction to Psychological Research Methods.

Exclusions: Students who have successfully completed PSY107 Introduction to Social Psychology may not enrol in this unit for credit.

### **Psychology: Social Bases of Behaviour (PSY285)**

Credit Points: 3

MURDOCH: S1-internal

This unit explores how we make sense of ourselves and others, and how the 'actual, imagined or implied' presence of others influences our thoughts and behaviours. We will examine what social psychology can tell us about fundamental questions like 'Who Am I?', as well as 'real-world' topics like 'Why are people cruel (and when will they be kind)?'. In doing so, students will learn about major theories, methods and classic studies of social psychology.

Lectures: 1 x 2 hours per week; tutorials: 6 x 2 hours per teaching period.

Prerequisites: PSY141 Introduction to Psychological Science OR PSY171 Introduction to Applications of Psychology OR PSY173 Introduction to Psychological Research Methods.

Exclusions: Students who have successfully completed PSY248 Psychology: Social Bases of Behaviour or PSY107 Introduction to Social Psychology may not enrol in this unit for credit.

### **Psychology: The Developing Mind (PSY249)**

Credit Points: 4

MURDOCH: S1-internal

Between birth and adulthood, dramatic changes take place in an individual's understanding of the world and in many of his/her cognitive skills and abilities. This unit will examine these changes

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and theories offered to explain them. Developmental insights into the functioning mind will be explored, with specific application to formal and informal learning. The unit will address patterns of development common to most humans, the extent and nature of individual differences within age groups and possible reasons for these.

Lectures/tutorials/laboratories/seminars: 3 hours per week.

Prerequisites: PSY141 Introduction to Psychological Science OR PSY171 Introduction to Applications of Psychology OR PSY173 Introduction to Psychological Research Methods OR PSY101 Introduction to Cultural and Community Psychology; PSY247 Psychology: Human Development OR PSY143 Introduction to Developmental Psychology.

Exclusions: Students who have successfully completed PSY221 Cognitive Development and Individual Differences may not enrol in this unit for credit.

### **Psychology: The Developing Mind (PSY393)**

Credit Points: 3

Not available this year

Between birth and adulthood, dramatic changes take place in an individual's understanding of the world and in many of his/her cognitive skills and abilities. This unit will examine these changes and theories offered to explain them. Developmental insights into the functioning mind will be explored, with specific application to formal and informal learning. The unit will address patterns of development common to most humans, the extent and nature of individual differences within age groups and possible reasons for these.

Lectures/tutorials/laboratories/seminars: 2.5 hours per week.

Prerequisites: PSY141 Introduction to Psychological Science OR PSY171 Introduction to Applications of Psychology OR PSY173 Introduction to Psychological Research Methods OR PSY101 Introduction to Cultural and Community Psychology; PSY247 Psychology: Human Development OR PSY286 Psychology: Human Development OR PSY143 Introduction to Developmental Psychology.

Exclusions: Students who have successfully completed PSY221 Cognitive Development and Individual Differences or PSY249 Psychology: The developing mind may not enrol in this unit for credit.

### **Psychology: Work and Organisations (PSY217)**

Credit Points: 4

KAPLAN-SGP: TJA-internal, TSA-internal

This unit provides an introduction to the study of human behaviour in the workplace. It will be of value to those whose career draws them into organisational settings, as well as those intending to specialise in organisational psychology. The unit explores a range of issues relevant to the psychological understanding of organisations and the individuals who participate in them. Workshops and assessments aim to give students a practical understanding of topics while developing key skills for the future.

Lectures/tutorials/laboratories/seminars: 3 hours per week.

Prerequisites: Nil.

### **Psychotherapy in Practice (PSY669)**

Credit Points: 3

MURDOCH: Y-internal

This unit will focus on professional, practical and methodological issues related to the practice of psychology, including: training in relevant practice skills; ethical and legal issues; psychopharmacology, managing a psychology practice, cultural and ethnic issues; oral and written case formulation; presentation skills; consultation; systematic decision making and clinical topics as negotiated.

Seminars/workshops: 3 hours per week or equivalent. Due to the nature of this unit, students should seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period. At times, seminars or workshops are run in non-standard teaching times.

Prerequisites: Enrolment in MAppPsych (Professional), MAppPsych (Clinical) or DPsych (Clinical) or MAppPsych (Clinical)/PhD. Students enrolled in MAppPsych (Clinical) or DPsych (Clinical) or MAppPsych (Clinical)/PhD must be concurrently enrolled in either PSY537 Clinical Psychology: Internal Practicum (Child, Youth and Family) and/or PSY538 Clinical Psychology: Internal Practicum (Adult).

Students enrolled in MAppPsych (Professional) must be enrolled in PSY601 Professional Psychology: Practicum and PSY602 Professional Psychology: Practicum 2 (Pre-clinical) OR PSY605 Professional Psychology: Practicum 1 (Professional) and PSY606 Professional Psychology: Practicum 2 (Professional) OR PSY607 Professional Psychology: Practicum 1 (Workplace Internship) and PSY608 Professional Psychology: Practicum 2 (Workplace Internship) in the same year as PSY669.

This unit was previously PSY575/S575 Professional Practice Issues. This unit is designed to prepare and support the completion of the internal clinical placement unit. Students must be enrolled in this unit's co-requisite (internal placement).

### **Public Health (CHI458)**

Credit Points: 3

Not available this year

### **Public Health (CHI509)**

Credit Points: 2

MURDOCH: T2-internal

This unit is concerned with the health of the community as a whole. It will review the main determinants of mortality and morbidity internationally but with emphasis on Australia. Public Health also reviews community groups and special populations. Scenarios and problem solving derived from larger populations and a research project will form an important component of this unit and students will work in small groups to achieve this. Expert interdisciplinary practitioners with experience in the area of speciality will present.

Lectures: 2 hours per week; project works/seminars: 2 hours per week.

Prerequisites: Enrolment in BSc Exercise Physiology OR Enrolment in BSc/BChiropractic and the successful completion of Years 1 to 4, OR by special application to the Unit Coordinator.

### **Public International Law (LAW365)**

Credit Points: 4

MURDOCH: SP17-internal

Examines the nature, origin, sources and subjects of international law, and the structure, principal rules and values of the international legal order. Topics: solution of disputes between

states, law of the seas, international economic and trade mechanisms, self-determination and the protection of human rights. Focus: learning how to determine what the law is. Other issues: the role of law in resolving disputes, the role of international organisations in maintaining world order, the role of public international law in Australian courts.

Lectures: 3 hours per week for semester teaching periods OR taught intensively over 1 week in non-standard teaching periods; refer to timetable for details.

Prerequisites: LEG120 (prior to 2012)/LAW120 Research and Writing, LEG150 (prior to 2011)/LAW150 Australian Legal System, LAW152 Torts, LAW130 Criminal Law and Procedure, LAW258 Australian Administrative Law, LAW259 Constitutional Law.

Exam will be held during the Semester 2 assessment period.

### Public International Law (LLB365)

*As for LAW365 except:*

Credit Points: 3

Not available this year

Prerequisites: LEG120 (prior to 2012)/LAW120 Research and Writing, LEG150 (prior to 2011)/LAW150 Australian Legal System, LAW152 Torts, LAW130 Criminal Law and Procedure, LAW258 Australian Administrative Law, LAW259 Constitutional Law.

Exclusions: Students who have successfully completed LAW365 Public International Law may not enrol in this unit for credit.

### Public Policy Analysis (POL246)

Credit Points: 3

MURDOCH: S2-internal, S2-external

Why do some problems come to the attention of governments while others do not? Who is involved in the policy-making process? Pressure groups, media, think tanks; what are their goals? How are policies evaluated? Theoretical explanations are combined with practical examples from Australia and overseas to provide students with a critical understanding of how policy is made. The unit also equips students with the main conceptual tools for analysing the impact of a policy or policy recommendation.

3 hours per week

Prerequisites: Nil.

Exclusions: Students who have completed POL330 Public Policy Analysis may not enrol in this unit for credit.

### Public Policy Analysis (POL330)

Credit Points: 4

KAPLAN-SGP: TJA-internal, TSA-internal

How do problems come to the attention of governments? Who is involved in the policy-making process? Pressure groups? The media? Think tanks? Who else? What are their goals? How are problems handled? How are policies evaluated? Theoretical explanations are combined with practical examples from Australia and overseas to provide students with a critical understanding of how policy is made. The unit also equips students with the main conceptual tools for analysing the impact of a policy or policy recommendation.

Up to 3 hours per week.

Prerequisites: Nil.

### Public Policy and International Affairs Foundations (SWM644)

Credit Points: 3

MURDOCH: S1-internal

This unit is part of the capstone experience and a core unit for all students in the Sir Walter Murdoch School. The unit focuses on big policy challenges facing the world, via a series of lectures from senior scholars in their field of expertise. Half the unit will focus on thematic policy challenges, the other half on case studies of key regional and international factors, to give students an integrated understanding of public policy and international affairs.

Seminars and workshops are delivered weekly. Students will then complete research assignments independently, in consultation with teaching staff.

Prerequisites: Enrolment in Master of Public Policy and Management, Master of International Affairs, or Master of Development Studies.

### Public Policy: Theory and Practice (SWM509)

Credit Points: 3

MURDOCH: S1-internal

The dynamics of public policy processes are complex. This unit considers the different ways that policy processes can be understood and analysed, including the various models of policy-making and their uses. Case studies and other concrete scenarios will be used to enable students to test these theories and perspectives in real world examples. The aim of the unit is to equip students with the tools to comprehend the processes involved in contemporary policy formation and implementation.

Seminars and workshops are delivered in intensive teaching mode (24 hours contact time), which may include evenings and weekends. Students will then complete research assignments independently, in consultation with teaching staff.

A range of policy case studies that target key public policy issues.

Prerequisites: Enrolment in Graduate Certificate in Public Policy Management, Master of Public Policy and Management, Master of Development Studies or Master of International Affairs.

Exclusions: Students who have successfully completed POL530 Public Policy Analysis or SSH509 Public Policy: Theory and Practice may not enrol in this unit for credit.

### Public Relations in Society (MCC385)

Credit Points: 4

DUBAI-ISC: TMD-internal

KAPLAN-SGP: TMA-internal

SGP1: TMB-internal

This unit explores public relations, and its role in society, through the lenses of globalisation and culture. It draws on recent scholarship and a socio-cultural approach to present alternative understandings to the functional and normative understandings of public relations which historically have dominated the field. Rather than viewing public relations as an organisational or management function, this unit explores public relations as a cultural activity influenced by the social, political and cultural contexts actively involved in the construction of meaning.

Lectures: 1 hour; tutorials: 1.5 hours

Prerequisites: Nil.

Exclusions: Students who have successfully completed MCC246 (2012) Professional Communication may not enrol in this MCC385 Public Relations in Society for credit.



**Public Relations in Society (PRO285)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit explores public relations and its role in society through the lenses of globalisation and culture. It draws on recent scholarship and a socio-cultural approach to present alternative understandings to the functional and normative understandings of public relations, which historically have dominated the field. Rather than viewing public relations as an organisational or management function, this unit explores public relations as a cultural activity influenced by the social, political and cultural contexts and actively involved in the construction of meaning.

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed MCC385 Public Relations in Society cannot enrol for credit in this unit.

**Public Relations Project (PRO302)**

Credit Points: 3

Not available this year

This unit encourages students to explore an aspect of public relations in a semester-long research project. Students may choose to research a client project; investigate a scholarly topic; or complete an internship. Students participate in seminars and online activity to encourage reflection and shared learning, based on their professional experiences. Students develop a research proposal, produce an extended research report, and present their findings in audiovisual form (for example, as a poster or infographic).

2-hour seminars subject to project requirements.

Prerequisites: MCC204 Public Relations: Contemporary Approaches.

**Public Relations Strategy (PRO204)**

Credit Points: 3

MURDOCH: S2-internal

This unit explores public relations strategy from contemporary perspectives. Students are introduced to the complexities of strategic communication, through class discussion, case studies and readings on critical, ethical, rhetorical and discourse theories. Students research and develop communication strategies, putting into practice ideas about effective and responsible public relations and its role in developing reciprocal relationships between an organisation and its diverse stakeholders. Students learn to develop realistic objectives to evaluate campaigns.

Lectures: 1 hour per week; tutorials: 2 hours per week.

Prerequisites: PRO107 Introduction to Public Relations

Exclusions: Students who have successfully completed MCC204 Public Relations: Contemporary Approaches cannot enrol for credit in this unit.

**Public Relations, Communication and Culture (MCM605)**

Credit Points: 3

MURDOCH: S2-internal

This unit explores the theory and practice of communication, drawing on recent public relations scholarship focusing on critical, global and cultural perspectives. Students will develop skills in academic reading, research and writing, and critically engage with theory to explore the challenges of communication management in different cultural contexts and the implications for public relations practice. Topics include race and diversity in public relations;

Indigenous stakeholder engagement; postcolonial perspectives and the role of public relations in nation-building.

2 x hour weekly seminars

Independent reading and analysis.

Prerequisites: Enrolment in graduate course of study.

Exclusions: Students who have successfully completed MCC546 Professional Communication or MCC685 Public Relations in Society cannot enrol in this unit.

**Public Relations: Contemporary Approaches (MCC204)**

Credit Points: 4

DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TJA-internal, TSA-internal  
SGP1: TJB-internal, TSB-internal

This unit explores a range of contemporary theories of, and approaches to, public relations in key areas including corporate social responsibility and employee relations. It provides a deepening of students' understanding of public relations theory and professional practice developed in MCC107, MCC259 and MCC385 and encourages a critical focus on ethical and rhetorical issues as these arise in the development and deployment of public relations strategies and tactics.

Lectures: 1 hour; tutorials: 1.5 hours.

Prerequisites: MCC107 Introduction to Public Relations.

Exclusions: Students who have successfully completed MSC235 Public Relations: Principles and Writing Practice may not enrol in this unit for credit.

**Public Sector Economics (SWM645)**

Credit Points: 3

MURDOCH: S2-internal

This unit deals with the economics of the public sector. Government expenditures are one side of the budget and the purposes of these expenditures are reviewed along with evaluation techniques to assess the efficiency and equity associated with expenditures. On the other side are the sources of revenue in the form of taxes, intergovernmental grants, government borrowing, asset sales, and user charges. These sources of revenue are also examined for their efficiency and equity features.

Seminars and workshops are delivered in intensive teaching mode (24 hours contact time), which may include evenings and weekends. Students will then complete research assignments independently, in consultation with teaching staff.

Prerequisites: Enrolment in the Master of Public Policy and Management.

**Public Sector Management (SWM515)**

Credit Points: 3

MURDOCH: S1-internal

Public sector managers use a range of instruments and strategies in the implementation of public policy. Examine the distinct character of public sector management and how this has changed across time. Explore the theories that have contributed to public sector reform and the assumptions informing new management modes. The aim is to equip students with a critical perspective on the efficacy of public sector management tools and strategies, and how they may contribute to the delivery of 'public value'.

Seminars and workshops are delivered in intensive teaching mode (24 hours contact time), which may include evenings and

weekends. Students will then complete research assignments independently, in consultation with teaching staff.

Prerequisites: Enrolment in the Graduate Certificate in Public Policy and Management, Master of Public Policy and Management, Master of Development Studies or Master of International Affairs.

Exclusions: Students who have successfully completed SSH615 Public Sector Management may not enrol in this unit for credit.

### Publication Design (IDD201)

Credit Points: 3

MURDOCH: S2-internal

This unit focuses on a wide range of desktop publishing techniques in the design and production of print publications. Concepts of pre-press, creating artwork for print, typography, layout and print production techniques are introduced at a theoretical level and implemented in practical project based work.

Online lecture; media laboratories: 3 hours per week.

Prerequisites: IDD118 Introduction to Graphic Design

### Pyrometallurgy (ENG325)

Credit Points: 3

Not available this year

Pyrometallurgical processes such as roasting, smelting and refining are examined through consideration of: thermodynamics and kinetics of interactions which occur among individual phases (i.e. gases, solids, metals, mattes and slag), fluid dynamics, heat-transfer and mass transfer characteristics, different reactors and techniques used to carry out these processes. Reference to industrial practice for production of materials such as copper, nickel, zinc, lead, gold, aluminium, tin, silicon, iron and steel will be made.

Lectures/tutorials: 4 hours per week; laboratories: 2 hours per week.

Prerequisites: EXM224 Principles of Unit Operations and EXM256 Process Mineralogy or ENG205 Applied Mineralogy.

Exclusions: Students who have successfully completed the unit EXM302 Advanced Mineral Processing may not enrol in this unit for credit.

### Qualitative Organisational Research (MBS619)

Credit Points: 3

MURDOCH: S1-internal, S1-external

Qualitative research focuses on understanding, rather than predicting or controlling phenomena. Many business researchers believe it an essential approach in the study of the complexities of people in organisations. The unit will examine the rationale and major principles underpinning qualitative research and consider popular methods in use. Students will consider the qualitative approaches to data collection and participate in a project requiring analysis and interpretation. The interaction with mixed methods approaches and the evaluation of research outcomes will also be examined.

Lectures/seminars/workshops: 3 hours per week.

Prerequisites: Enrolment in a graduate-level course.

I

### Quantitative Methods for Business (MBS622)

Credit Points: 4

DUBAI-ISC: TSD-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

Almost all managers will use descriptive and inferential statistics as part of their work to explain and interpret information. This unit introduces data-analysis and decision-making tools for managers. Students will be able to identify situations in which quantitative analysis can support problem solving and decision-making. They will also gain experience in applying decision-analysis technique and statistical packages in management contexts. Includes the modelling of organisations and business problems, descriptive measures of quantitative data and statistical inference.

Lectures/seminars/workshops: 3 hours per week.

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students who have successfully completed MBS522 Quantitative Methods for Business or MBS659 Quantitative Research for business cannot enrol in this unit for credit.

### Quantitative Research for Business (MBS659)

Credit Points: 3

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Almost all managers will use descriptive and inferential statistics as part of their work to explain and interpret information. This unit introduces data analysis and decision making tools for managers. Students will be able to identify situations in which quantitative analysis can support problem solving and decision making. They will also gain experience in applying decision analysis technique and statistical packages in management contexts. Includes the modelling of organisations and business problems, descriptive measures of quantitative data and statistical inference.

Lectures/seminars/workshops: 3 hours per week.

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students who have successfully completed MBS522/MBS622 Quantitative Methods for Business cannot enrol in this unit for credit.

### Radio Presenting and Producing (RAD244)

Credit Points: 6

MURDOCH: S1-internal (quota of 40 places)

Welcome to the world of live radio! This semester you will be given a unique opportunity - to experience life in the real world of radio as any professional might experience it. Rotating in the roles of producer, presenter and journalist you will be responsible for producing and presenting a one hour live drive-time radio show, South Street, on Radio Fremantle 107.9FM, which will go to air each weekday afternoon catering for the local youth market.

Seminars: 1.5 hours per week, cover media law and ethics and the practice of live radio presenting and production; tutorials: 1 hour per week, cover time management, team-working, promo production, program design and program debriefing; technical workshops: cover audio editing, audio mixing, studio file management protocols and multi-studio operation.

Prerequisites: MCC105 Introduction to Radio and Sound Production or RAD105 Introduction to Radio

Exclusions: Students who have successfully completed MCC244 Radio Presenting and Producing may not enrol in this unit for credit.

This unit is subject to quota. Quota is due to broadcast limitations. Preference will be given to students enrolled in the BA with a major in Radio.

7

**Radiography: Principles and Positioning (CHI421)**

Credit Points: 4

MURDOCH: T3-internal

Expands on principles discussed in years 2/3 relating to image production for most common types of imaging modalities and essential knowledge and skills needed for producing high quality diagnostic radiographs. Covers principles of radiation biology, regulations and practices relating to safety and patient protection; addresses management of in-house radiographic facilities. Practical workshops focus on radiographic positioning for all anatomical regions relevant to chiropractic practice. Utilises equipment in preparation for application within the University's chiropractic clinic. Incorporates undergraduate research stream.

Lectures/workshops: 4 hours per week; laboratories/practicals: 4 hours per week.

Prerequisites: Completion of the BSc Chiropractic or permission from the Academic Chair.

**Radiography: Principles and Positioning (CHI441)***As for CHI421 except:*

Credit Points: 3

Not available this year

**Reactor Design (ENG335)**

Credit Points: 3

Not available this year

**Reading Reconciliation (AIS355)**

Credit Points: 4

MURDOCH: S2-internal, S2-external

The Aboriginal Reconciliation Movement (1991-2001) was the most significant socio-political movement regarding Indigenous/non-Indigenous relations since the 1967 Referendum. We examine Reconciliation as it was originally conceived under the Keating Labor Government and contrast this with the Howard Government's 'practical Reconciliation'. We also examine various post-Reconciliation strategies for equality between Indigenous and non-Indigenous Australians. Students will understand Reconciliation as a struggle between post-colonial national identity construction, colonialist ideologies, and desires for processes of decolonisation.

Lectures/seminars: 3 hours.

Prerequisites: Nil.

Exclusions: Students who have successfully completed AIS281 Contemporary Indigenous Issues may not enrol in this unit for credit.

**Reading Reconciliation (AIS356)***As for AIS355 except:*

Credit Points: 3

Not available this year

**Real Time and Embedded Systems (ENG306)**

Credit Points: 4

MURDOCH: S2-internal

This unit provides a thorough understanding, knowledge and practical experience in using embedded and computer-based systems in measurement and control applications. Topics:

measurement systems; embedded systems, microcontrollers, program development environments; emulators, simulators and in-situ testing; 68HC11/12 and subsystems; watchdog and interrupts; digital signal processing; real-time embedded systems; DAQ Systems; analog and digital I/O; sampling, aliasing and signal conditioning; signal analysis and spectral content; buffered I/O; simultaneous input and output; counting and timing operations; dynamic system simulation.

Lectures: 2 hours per week; workshops: 2 hours per week; laboratories: 4 hours per week.

Prerequisites: ENG262 Principles of Electronic Instrumentation; ENG267 Control Systems and Process Dynamics.

**Real Time and Embedded Systems (ENG319)***As for ENG306 except:*

Credit Points: 3

Not available this year

**Rebirth of Europe 1945-2001 (HIS324)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit traces the political, social and economic history of Europe through its post war crisis and decline to its present day resurgence. Critical events in the history of individual states will be discussed alongside major transnational topics including the cold war and its aftermath; the growth and later erosion of the welfare state; the impact on Europe of decolonisation and postcolonial immigration; social tensions including domestic terrorism; supranationalism and the creation of the European Union.

Lectures: 1.5 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed HIS224 Rebirth of Europe: 1945-2001 may not enrol in this unit for credit.

**Reflective Practice in Health Management (SHP604)**

Credit Points: 3

MURDOCH: S2-external

This unit focuses on reflective practice as an essential component of effective leadership and management. It explores the importance of self-awareness, and the interpersonal processes associated with effective communication, influence and persuasion. Frameworks for critical reflection are examined in the context of professionalism, supervision, lifelong learning, and research in the health care setting. Students will have the opportunity to examine how their beliefs, perceptions, experiences and backgrounds influence their ability to lead and manage.

External: No attendance required

Prerequisites: SHP511 Strategic Leadership in Health Care.

**Refugee Law (LLB327)**

Credit Points: 3

GENEVA: S2G-internal

This unit examines the origins and evolution of Australian and international refugee law. It will discuss the scope and limits of refugee's rights, impediments to asylum-seeking in domestic and international contexts, and pressures for refugee law reform. Students will be introduced to the system of refugee status determination in Australia including the legislative framework and significant court decisions. The problems of groups such as women

and children will be discussed, and students will participate in refugee status determination simulations.

Contact the School of Law for further information.

Prerequisites: Successful completion of LAW258/LLB358 Australian Administrative Law, and LAW259/LLB259 Constitutional Law.

The S2G enrolment option for this unit is offered as part of the International Human Rights Law Program in Geneva, Switzerland. Enrolment in this program is by application. Students enrolling in the program are responsible for their own airfares, accommodation and incidental expenses during the program. Contact the School of Law for further information.

### **Regional Rivals: China and Its Neighbours (POL212)**

*As for POL312 except:*

Credit Points: 4

Not available this year

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

### **Regional Rivals: China and Its Neighbours (POL312)**

Credit Points: 3

Not available this year

This unit examines the politics and security of Northeast Asia and the manner in which they are interlinked. Particular attention is paid to China's historical role, the influence of Japan's developmental state, the Korean peninsula, and the role of the United States as a pivotal external actor.

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

Exclusions: Students who have completed POL212 Politics and Security in North-East Asia can not enrol in this unit for credit.

### **Rehabilitation and Penology (CRM388)**

Credit Points: 3

Not available this year

Prerequisites: Nil.

### **Rehabilitation and Physical Therapy I (CHI448)**

Credit Points: 3

Not available this year

### **Rehabilitation and Physical Therapy II (CHI449)**

Credit Points: 3

Not available this year

### **Renewable Energy and Sustainable Development (PEN587)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit addresses the challenges of assessing, designing, introducing and maintaining small scale sustainable energy technologies in developing countries, particularly in their rural areas. This unit provides a conceptual background to the design and implementation of renewable energy technology in developing countries. The problem is viewed in a holistic, rather than a purely technical way and a broad description of what constitutes renewable energy technology is adopted.

Lectures: 1 x 2 hours per week; workshops/tutorials: 1 x 1 hour per week.

Prerequisites: Enrolment in an Honours or Graduate-level course.  
Recommended: PEC492/PEC592 Energy in Society.

### **Renewable Energy Design Workshop (ENG351)**

Credit Points: 4

MURDOCH: S2-internal

This unit focuses on the design of renewable energy systems and in particular, on estimating the performance and economics of such systems. It will focus heavily on the use of computer-based design and simulation programs to estimate these parameters. The input data requirements, method of operation, and strengths and weaknesses of these computer-based tools will be presented. Practical sessions will allow the student to utilise these tools for a range of applications.

Lectures/workshop sessions: 1 x 3 hours per week; laboratories: 1 x 3 hours per week.

Prerequisites: Co-requisite ENG352 Energy Supply Systems.

Exclusions: Students cannot enrol in this unit and PEC623/PEN623 Renewable Energy Systems Design for credit.

### **Renewable Energy Devices (PEN621)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit develops key knowledge on the principles of operation, design, and installation requirements of the major renewable energy power generation devices, including photovoltaic cells, wind turbines, and solar thermal collectors. The devices used to convert or control power flows within systems are also discussed in terms of their function and operational requirements. The various energy storage options are also discussed. Online storybook laboratories are used to illustrate the operation and performance of selected devices.

Lectures/discussions: 1 x 3 hours per week; 2 practical sessions (Online storybooks are provided for external students).

Prerequisites: PEC490/PEC590 Energy Systems.

### **Renewable Energy Dissertation (PEN624)**

Credit Points: 12

MURDOCH: H-internal, H-external, Y-internal, Y-external

This is a required unit for students in the MSc in Renewable Energy. Full-time students usually enrol over a full year concurrently with the coursework. Part-time students undertake it during the final year. It may consist of literature review and technology assessment or practical investigation of renewable energy system or device. A list of suitable topics is available from the Unit Coordinator or students may choose their own topic provided it is approved by the Unit Coordinator.

No attendance required.

As part of this unit a preparatory research skills module (equivalent to a quarter of the dissertation) is provided to assist the student in the preparation of a research proposal and the undertaking of a literature review. This module will also discuss skills involved in the analysis of data, and provide advice on the preparation of reports and presentations.

Prerequisites: Enrolment in the Master of Science in Renewable Energy or the Master of Renewable Energy.

There will be a different structure depending on whether the student is undertaking the Dissertation Unit at the start of the year

or in the middle of the year. If the student commences the unit at the start of the year, the Research Skills component of the Dissertation will be done in Semester 1 (3 points) and the remainder of the dissertation (9 points) will be done in the Semester 2. If the student commences the unit in the middle of the year, then the majority of the dissertation will be done in Semester 2 (including the 3 point Research Skills component) with the dissertation being completed in Semester 1 of the following year (3 points).

### Renewable Energy Resources (PEN622)

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit examines the availability and distribution of various renewable energy resources such as solar radiation, wind, hydro, tidal, wave and biomass. The methods for measuring, monitoring and analysing these resources are described and some practical sessions are undertaken to illustrate these procedures. Principles for undertaking a resource assessment for a particular site are presented. This includes sources of data, analysis of that data and estimation of data when actual data is not available.

Lectures/tutorials: 1 x 3 hours per week; occasional practical sessions (internal students only).

Prerequisites: PEC592 Energy in Society or equivalent.

Exclusions: Students cannot complete this unit and ENG307 Resources for Renewable Energy for credit.

### Renewable Energy Systems Design (PEN623)

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit focuses on the design of renewable energy systems and in particular, on estimating the performance and economics of such systems. It will focus heavily on the use of computer-based design and simulation programs to estimate these parameters. The input data requirements, method of operation, and strengths and weaknesses of these computer-based tools will be presented. Students will use many of these computer-based tools to solve component sizing and design problems.

Lectures/workshop sessions: 1 x 3 hours per week.

Prerequisites: PEC590 Energy Systems or equivalent.

Exclusions: Students cannot complete this unit and ENG351 Renewable Energy Design Workshop for credit.

### Renewable Energy Systems Engineering (ENG421)

Credit Points: 4

MURDOCH: S1-internal

This unit covers the design, commissioning and testing of standalone and grid-connected renewable energy systems. Topics include: standalone systems, simulation and system design, component sizing, housings and layout, cabling, earthing, commissioning, testing, monitoring, safety and standards; specification, design, impact, cost and performance of grid-connected systems; relevant power system issues; power conditioning for grid applications. The unit will develop a thorough understanding of entire integrated systems and provide practical experience with working physical systems.

Lectures: 1 x 2 hours per week; workshops: 1 hour per week; laboratories: 1 x 3 hours per week.

Prerequisites: ENG352 Energy Supply Systems; ENG351 Renewable Energy Design Workshop.

### Renewable Energy Systems Engineering (ENG442)

As for ENG421 except:

Credit Points: 3

Not available this year

### Reproduction and Obstetrics (VET463)

Credit Points: 3

MURDOCH: YM-internal

The reproduction section of this unit covers normal and abnormal reproductive physiology, endocrinology and anatomy in common domestic animals, and applies that information and understanding to veterinary situations. Lectures and practicals are conducted on examination of male and female animals, evaluation of fertility, control of reproduction, and diagnosis and treatment of reproductive diseases in domestic animals. Obstetrics lectures and practicals cover the processes of parturition in domestic species, with particular emphasis on diagnosis and correction of abnormalities of parturition.

Lectures: 33 hours; practical classes: 48 hours

Prerequisites: Enrolment in Applied Veterinary Medicine. Completion of VET459 Surgical Secrets, VET456 Anaesthesia, Emergency and Critical Care, VET462 Veterinary Diagnostic Imaging.

### Research in Education (Research Dissertation) (EDU700)

Credit Points: 12

MURDOCH: R1-internal, R1-external, R2-internal, R2-external, RAU-internal, RAU-external, RSP-internal, RSP-external

This unit can be taken full or part-time. A written research proposal must be submitted to the School of Education Research Committee and presented orally to a research panel convened by the supervisors. The final proposal must have Research Ethics clearance before data collection can proceed. The thesis for the Master of Education (Research) provides a critical analysis of the topic under consideration and demonstrates an understanding of the theory and practice of educational research.

Students work on their doctoral study under the guidance of their supervisors. For full-time students, this means a minimum of 37.5 hours per week.

Prerequisites: Enrolment in the Master of Philosophy or the Master of Education (Research).

### Research in Education (Research Dissertation) (EDU900)

Credit Points: 12

MURDOCH: R1-internal, R1-external, R2-internal, R2-external, RAU-internal, RAU-external, RSP-internal, RSP-external  
ROCKINGHAM: R1-internal, R1-external, R2-internal, R2-external, RAU-internal, RAU-external, RSP-internal, RSP-external

Students work on their doctoral study under the guidance of their supervisors. For full-time students, this means a minimum of 37.5 hours per week.

Prerequisites: Enrolment in the Master of Philosophy, Doctor of Education or Doctor of Philosophy courses.



### Research in the Physical and Life Sciences (BSC200)

Credit Points: 3

MURDOCH: S1-internal, S1-external

Students will develop core skills in thinking about approaches to research within the context of their discipline. Research begins through the evaluation of innovation and significance of a research topic. This leads to development of the research plan, experimental design, with ethics and statistical analyses of data, justified by rationale and expected outcomes from quantitative and/or qualitative sampling. Finally students will consider how research is presented and communicated (verbal/written), reflecting on the research process to guide lifelong learning.

Lectures: 1 hour per week; workshops: 1 x 2 hours per week.

Online assessment/Learning activity: 2 hours per fortnight.

Prerequisites: BSC100 Building Blocks for Science Students; OR enrolment in B1329 Bachelor of Education/Bachelor of Science and BED100 Ideas in Education.

Exclusions: Students who have successfully completed BSC201 Psychology: Measurement, Design and Analysis, BSC206 Introduction to Research Methodology and Evidence Based Practice, or BSC203 Introduction to ICT Research Methods may not enrol in this unit for credit.

### Research Internship (SWM619)

Credit Points: 6

MURDOCH: S1-internal, S2-internal

Undertaking a research internship, students develop and complete a specific project relevant to an industry, a professional workplace or a community organisation in a work-integrated-learning environment. Students are guided by a workplace supervisor and an academic supervisor. The research project is supported by a series of seminars which focus on considerations of policy making, professional ethics and practice, research design and the ethics of research. Students completing the research internship demonstrate high level organisational and time management skills.

The principal activity of Interns is undertaking their research project; there is also a series of seminars concerning policy making, professional ethics and practice, research design and the ethics of research and the use of Library databases - depending on enrolments these are conducted either formally or informally. Students will then complete research assignments independently, in consultation and under the supervision of academic staff/ the unit coordinator and a workplace supervisor.

All interns will spend time in the workplace associated with their Internship/placement. In addition, interns undertaking a Parliamentary or Public Sector Internship will visit the Parliament of WA, and a number of public sector agencies such as the Equal Opportunity Commission, the Office of the Auditor General, the Office of the Ombudsman as appropriate and convenient to these agencies.

Prerequisites: Enrolment in the Master of Public Policy and Management, Master of Development Studies, or Master of International Affairs; completion of at least 24 credit points.

Exclusions: Students who have successfully completed SSH619 Research Internship may not enrol in this unit for credit.

### Research Methodology (VET666)

Credit Points: 3

Not available this year

Students will become familiar with the ethics of clinical research and gain knowledge of fundamental concepts of designing and analysing clinical veterinary research. They are introduced to current investigative methods utilised for in vitro and in vivo veterinary research, and will appreciate the process of conducting clinical research and acquire skills to critically evaluate current literature in their field of study. A literature research exercise with an oral presentation of proposed study and a written grant application will be required.

Lectures: 1 x 2 hours per week; tutorials: 1 x 2 hours per week.

Prerequisites: Permission of Unit Coordinator.

Exclusions: Students who have completed VET694 Evidence Based Clinical Practice may not take this unit for credit.

### Research Methods in Exercise and Rehabilitation Sciences (EXS691)

Credit Points: 9

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

This unit is designed to provide higher level knowledge and proficiencies necessary for students enrolled within a Masters or Honours degree to undertake research in the exercise and rehabilitation sciences. Specifically, the unit will focus on issues relevant to research design, statistical analyses, and dissemination of information. Furthermore, this unit will be used to guide students in the process of completing a literature review and protocol development in their chosen area of study.

Lectures: 2 hours.

Workshop: 1 hour.

Prerequisites: Enrolment in any Master's degree or Honours in Movement Science (BSc(Hons)) or Honours in Sport and Health Science (BSc(Hons)) or Honours in Exercise Physiology (BSc(Hons)) or Honours in Chiropractic (BSc(Hons)).

### Research Preparation for Business (MBS520)

Credit Points: 3

MURDOCH: S2-internal, S2-external, SUM-internal (closed)

This unit introduces students to essential elements in research preparation. Topics covered will include the development of a literature review to expound research questions; the decision-making process as it relates to research methodology; the legitimisation of data collection strategies and analyses and the essentials in writing up research for scholarship and practice.

30 hours to be taught intensively over the nominated teaching period. For more information contact the School.

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students who have successfully completed MBS620 Research Preparation for Business may not enrol in this unit for credit.

### Research Principles and Methods (ENG670)

Credit Points: 3

MURDOCH: S1-internal, S2-internal, SUM-internal

This unit introduces students to a problem that is of current industrial interest, significance and relevance. Students will need to research the area in order to develop a detailed project brief that clearly defines the objectives, performance metrics and budget for a

project that addresses the problem. The unit will serve as a preparation for the Engineering Masters Project.

Meetings and laboratory sessions in agreement with the project supervisor.

Prerequisites: Completion of at least 24 credit points of the Master of Engineering or permission of the Engineering Academic Chair.

### Research Project and Thesis (ENG458)

Credit Points: 12

MURDOCH: H-internal, Y-internal

On successful completion of this unit students will be able to plan, execute and report on a research project; select and make a process design of an appropriate metallurgical process for the profitable extraction of a metal/mineral on the basis of the results of the research; enumerate and discuss critical operating procedures of the chosen process; and produce a preliminary economic feasibility study. Students will prepare a thesis on their topic and present a seminar.

Seminars/tutorials: 1 per week; project meetings: as arranged by Supervisor but students should expect a minimum of 1 per week.

Prerequisites: EXM301 Mineral Processing, EXM302 Advanced Mineral Processing, EXM357 Extractive Metallurgy.

Students must complete the Safety in Science course prior to undertaking this unit. The Safety in Science course is usually run in the week before semester begins but students are urged to communicate with their proposed supervisor on the precise timing. All projects must be approved by the Unit Coordinator prior to the beginning of semester.

### Research Studies -- Psychology (PSY920)

Credit Points: 12

MURDOCH: R1-internal, R2-internal, RAU-internal

An innovative and systematic investigation of an appropriate research problem is required. A thesis supervisor will be appointed for each candidate from the University lecturing staff in Psychology. The thesis must be presented for examination in accordance with University requirements for Doctor of Philosophy (PhD) theses.

Students will meet regularly with a minimum of two supervisors and every 6 months with an Advisory Panel (comprised of the supervisors and an Advisory Panel Chair, appointed at the commencement of candidature in the doctoral program).

Prerequisites: Nil.

### Researching Legal Remedies (BJU200)

Credit Points: 3

MURDOCH: S2-internal

This unit will focus on aspects of the law of remedies and asks why and how do we measure, prevent or restrict loss? Students will build on legal problem solving and research skills introduced in earlier units and learn to apply those skills to more complex problems. The unit will also introduce some of the main research methodologies used in law. Students will examine and critique these methodologies then apply them to research questions associated with legal remedies.

Lectures: 2 hours per week; workshops: 2 hours per fortnight

Prerequisites: Completion of 24 points of Part I and LLB260 Contract Law, LLB251 Equity, and LLB253 Property Law A with concurrent enrolment in LLB254 Property Law B.

Exclusions: Students who have completed LAW358 Remedies may not enrol in this unit for credit: please contact the Academic Chair

for a replacement unit.

### Resilient Regions: People and Practice (SUS611)

Credit Points: 3

MURDOCH: SUM-internal (quota of 10 places), SUM-external

This unit provides students with direct experience of sustainability and resilience at a regional scale. The unit includes a week-long residency in Denmark WA in early December with additional work scheduled. During the residency, field trips and case studies will cover the theoretical and practical elements of: resilience; bioregionalism; sense of place; eco-technologies; participatory politics; eco-entrepreneurism; sustainable agriculture; and catchment management.

Introductory session in late November. Week long residency in Denmark, Western Australia in early December. Final session in late January.

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students who have successfully completed STP611 Resilient Regions: People and Practice may not enrol in this unit for credit.

Students are responsible for some additional costs associated with the residence and associated field trips. Contact the School for further details.

This unit is subject to quota. The internal enrolment option of this unit is subject to quota. Quota is due to limited accommodation for internal students, who undertake field work. Preference will be given to students nearing the end of their studies, and may also be based on academic performance. There is no quota for external students.

### Resilient Regions: Sustainability in Practice (SUS302)

Credit Points: 4

MURDOCH: SUM-internal (quota of 20 places), SUM-external

This unit showcases sustainability in practice at a regional scale, through an immersive, interactive and practical unit. The internal version of the unit is based upon a week-long residency in Denmark WA in early December with additional work scheduled before and after. While in Denmark, students will meet with a range of people undertaking projects and enterprises that are creating sustainability at a regional level.

There are extra costs for this unit to cover accommodation, food and travel.

Introductory session in late November. Week long residency in Denmark, Western Australia in early December. Final session in late January.

Prerequisites: SUS100 Introduction to Sustainable Development or STP108 Introduction to Sustainable Development.

Exclusions: Students who have completed STP311 Resilient Regions may not enrol in this unit for credit.

Students are responsible for additional costs associated with the residence and field trips. Contact the School for further details.

This unit is subject to quota. Quota is due to limited accommodation during field work. Preference will be given to undergraduate students who have completed at least 48 credit points towards their degree. Preference may also be based on academic performance.

**Resources for Renewable Energy (ENG307)**

Credit Points: 4

MURDOCH: S1-internal

This unit examines the availability and distribution of various renewable energy resources such as solar radiation, wind, hydro, tidal, wave and biomass. The methods for measuring, monitoring and analysing these resources are described and some practical sessions are undertaken to illustrate these procedures. Principles for undertaking a resource assessment for a particular site are presented. This includes sources of data, analysis of that data and estimation of data when actual data is not available.

Lectures/tutorials: 1 x 3 hours per week; laboratories: 1 x 3 hours per week.

Prerequisites: PEC152/PEN152 Principles of Physics; MAS161 Calculus and Matrix Algebra; MAS284 Applied Statistics and Process Management.

Exclusions: Students cannot enrol in this unit and PEC622/PEN622 Renewable Energy Resources for credit.

**Rise of Asia and Modern History (AST531)**

Credit Points: 3

Not available this year

Explore the organising concepts of historical inquiry and human society -- 'culture', 'society', 'modes of production' -- by considering the transformation of the Euro/American core and the rise of Asia since 1400, as a global process of political-economic and cultural interdependencies between capitalism and non-Western societies. The rise of Asia in modern history is best understood within the wider context of global capitalism. The transformation of Europe and rise of Asia cannot be separated: each is the other's history.

Lectures: 1.5 hours; tutorials: 1.5 hours.

Prerequisites: Enrolment in a graduate-level (AQF level 8 or AQF level 9) Asian Studies course or permission of the Unit Coordinator.

**Risk Analysis (University of Adelaide) (OTH545)**

Credit Points: 3

This course introduces approaches to risk analysis in the context of plant biosecurity. It will consider the purpose of risk analysis, and different methodologies for risk assessment and mitigation. In the past, risk analysis has been mostly qualitative, but now there is need to widen use of quantitative methodologies. Both qualitative and quantitative risk assessment methods will be introduced. This unit is offered by the University of Adelaide as PLANT SC 7260EX Risk Analysis. Refer to: <https://access.adelaide.edu.au/courses/search.asp>

Prerequisites: Enrolment in the Graduate Diploma in Plant Biosecurity or Master of Plant Biosecurity

**Risk Management (MBS572)**

Credit Points: 4

DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TJA-internal, TSA-internal

This unit discusses an integrated risk management framework that can be applied to a wide range of industries. It covers risk management principles frameworks and processes, risk management strategic planning and corporate governance, information security, and crisis management. On completion of the unit students should have a comprehensive understanding of risk management techniques and risk management planning and be able to create a risk management plan for an organisation.

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students who have successfully completed MBS689 Risk Management may not enrol in this unit for credit.

**Risk Management (MBS689)***As for MBS572 except:*

Credit Points: 3

Not available this year

Lectures/seminars/workshops: 3 hours per week.

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students who have successfully completed MBS572 Risk Management may not enrol in this unit for credit.

**Router and Firewall Security (ICT613)**

Credit Points: 3

MURDOCH: S1-internal

This unit examines current security threats to organisations and the necessary security processes required to mitigate these threats. Topics covered include: security policy design and management; security technologies, products and solutions, firewall and secure router design, installation, configuration and maintenance; AAA implementation using routers and firewalls; and virtual private networks.

Workshops: 1 x 3 hours per week.

Prerequisites: ICT535 Advanced Business Data Communications; enrolment in a graduate IT course or permission of the Academic Chair.

Exclusions: Students who have completed ICT672 Network Security may not enrol in this unit for credit.

**Safety and Quality in Health Care (SHP501)**

Credit Points: 3

MURDOCH: S1-external, S2-external

This introductory unit is designed to foster knowledge and understanding of concepts, principles of safety and quality in healthcare. Participants will be introduced to practical approaches to safety and quality and evidence-based strategies that can be applied to the workplace. The World Health Organisation (WHO) Patient Safety Curriculum and the Australian National Safety and Quality Health Service Standards (NSQHS) inform the unit content.

External: No attendance required

Prerequisites: Enrolment in a Graduate course.

Exclusions: Students who have successfully completed NUR601 Quality and Safety in Health Care may not enrol in this unit for credit.

**SCADA and Systems Architecture (ENG448)**

Credit Points: 3

Not available this year

**Schooling and Society (EDN331)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit introduces students to the larger social context of education. Students will examine the relationship between education and the larger society; the aims of education and the ways these aims are expressed through policy and practice; and

issues related to social division. Sociological, philosophical and political perspectives are used to explore how social justice relates to curriculum and classroom practices. Assessment includes participation, a major assignment which analyses a sociological or political aspect of education, and a final exam.

Lectures: 1 hour; workshops: 2 hours.

Prerequisites: Enrolment in a teacher education course. BEd students must ALSO have successfully completed EDU101/EDU1011 Introduction to Teaching AND EDU103 Principles of Language and Literacy; OR EDN112 Understanding Teachers' Work AND EDN111 Language for Learning and Teaching.

### **Schooling and Society (EDN3311)**

*As for EDN331 except:*

Credit Points: 2

MURDOCH: S1-internal, S1-external

Lectures: 1 hour per topic; workshops: 2 hours per topic.

Prerequisites: Enrolment in a teacher education course. BEd students must ALSO have successfully completed EDU101/EDU1011 Introduction to Teaching AND EDU103 Principles of Language and Literacy; OR EDN112 Understanding Teachers' Work AND EDN111 Language for Learning and Teaching.

### **Schooling and Society - Research Skills (BED300)**

Credit Points: 3

Not available this year

This unit enables prospective teachers to become intellectual professionals with experience in an educational research methodology by studying the societal discourses, past and present, that frame the profession of teaching. Students will conduct research using 'Critical Discourse Analysis' methodology as applied to populist media representations of teachers and schools. The aim of this unit is that the students will be able to analyse and negotiate the contested and complicated socially constructed terrain of the contemporary school.

### **Science and the Curriculum (Secondary) (Major) (EDN417)**

Credit Points: 4

MURDOCH: S1-internal, S1-external

This unit, through campus learning activities, aims to develop in students: awareness of, and competence with, methods used to promote working scientifically in secondary science classrooms; knowledge of curriculum developments in secondary science, and the ability to assess the suitability of these developments for local schools; and concern for, and competence with, strategies for promoting student interest in science.

All students will be expected to teach physics, chemistry, biology and Earth and environmental sciences in Years 7 to 10.

Lectures/workshops: 50 hours.

Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

Prerequisites: Enrolment in a teacher education course [either BEd (Secondary) or BEd (Secondary) (Graduate) or GradDipEd (Primary) or GradDipEd (Secondary)]; successful completion of BED150/EDN112/EDN1121 Understanding Teachers' Work or EDU101/EDU1011 Introduction to Teaching; a major in a science discipline relevant to high school science teaching.

Students should also be enrolled in EDN4101 School Experience:

Secondary BEd for students enrolled in the Bachelor of Education (Secondary)/Bachelor of Science where taking this unit (EDN417) as a curriculum major

OR

Enrolment in EDN3101 School Experience: Secondary BEd for students enrolled in the Bachelor of Education (Secondary) and taking EDN317 as a curriculum minor

OR

Enrolment in EDU293 and EDU297: Secondary GradDipEd for students enrolled in the Graduate Diploma in Education (Secondary) and taking EDN417 as a curriculum major.

### **Science and the Curriculum (Secondary) (Minor) (EDN317)**

Credit Points: 2

MURDOCH: S1-internal, S1-external

This unit, through campus learning activities, aims to develop in students:

awareness of, and competence with, methods used to promote working scientifically in secondary science classrooms; knowledge of curriculum developments in secondary science, and the ability to assess the suitability of these developments for local schools; and a concern for, and competence with, strategies for promoting student interest in science.

All students will be expected to teach physics, chemistry, biology and Earth and environmental sciences in Years 7 to 10.

Lectures/workshops: 26 hours.

Prerequisites: Enrolment in a teacher education course [either BEd (Secondary) or BEd (Secondary) (Graduate) or GradDipEd (Secondary)]; successful completion of BED150/EDN112/EDN1121 Understanding Teachers' Work OR EDU101/EDU1011 Introduction to Teaching; a major in a science discipline relevant to high school science teaching.

Curriculum teaching minor in Science requires enrolment in EDN3101 Professional Experience: BEd Secondary for students enrolled in the Bachelor of Education (Secondary) OR Enrolment in EDN2161/EDN514 Professional Experience: Secondary Graduate for students enrolled in the Graduate Diploma in Education (Secondary).

### **Science and the Curriculum A (Secondary 7 - 10) (EDN376)**

Credit Points: 3

Not available this year

### **Science and the Curriculum B (Secondary 11 - 12) (EDN476)**

Credit Points: 3

Not available this year

### **Science in the Primary Curriculum (EDN614)**

Credit Points: 3

Not available this year

This unit focuses on science knowledge and skills that are needed to facilitate the development of primary school students' science literacy. Students will explore inquiry learning, alternative conceptions, engagement in science and other topics in science education associated with developing science literacy in the primary setting. This exploration is based on readings in science education research literature with emphasis on the creation of materials to be used in primary science classrooms.

Lectures/laboratories: 3 hours per week.

Prerequisites: Enrolment in the Master of Teaching (Primary) and successful completion of all 500 level units, co-enrolment in EDN611 Professional Internship A: Differentiation within Diverse Contexts, EDN612 Understanding Diversity and Inclusion in Educational Settings and EDN613 The Integrated curriculum in Primary Schools.

### Scientific Method in Engineering (BEN200)

Credit Points: 3

MURDOCH: S1-internal

This unit introduces the research skills that student will need in order to stay abreast of future innovations in engineering technology. The unit will take students through full cycles of generating new knowledge and testing ideas by applying the scientific method. In the process of using the enquiry-based learning, students will develop skills in effective use of search engines, summarising scholarly articles on engineering innovations, testing ideas by experiments and simple mathematical modelling, and communicating of findings.

Lectures: 1 hour per week; workshops: 1 x 2 hours per week.

Prerequisites: BEN100 Transitioning into Engineering, BEN150 Design Concepts in Science and Engineering; ENG109 Engineering Computing Systems; MAS182 Applied Mathematics; PEN152 Principles of Physics.

### Screen Production 1 (SCR101)

Credit Points: 3

MURDOCH: S1-internal (quota of 102 places)

This is an introductory unit for students who wish to learn how to produce film and television. Students are introduced to a variety of existing production crafts that can be applied within a location and studio production environment. These include scriptwriting, editing, camera, performance, sound and producing. Students will use these practical creative skills to produce two short films and a TV studio production.

Lectures: online; workshops: 2 hours per week.

Note: Lectures and workshops/tutorials commence in Week 1 of the semester.

Prerequisites: Nil.

Exclusions: Students who have successfully completed MED107 Screen and Sound Production I (TV Studio) or MCC128 Screen and Sound Production I (TV Studio) OR MCC128 Screen Production I OR H222 Screen Production may not enrol in this unit for credit.

This unit is subject to quota. Quota is due to space and equipment constraints and the supervision demands of a production environment. Preference will be given to students enrolled in the major in Screen Production.

### Screen Production 2 (MCC226)

Credit Points: 4

DUBAI-ISC: TMD-internal

This unit encourages students to develop their intellectual and expressive capacities in video production. Students are taught aesthetic and conceptual conventions, operational and technical skills, and the production process by means of demonstrations and individual and group work. Students collaboratively produce short creative works in high-definition video within their chosen genre and style, resulting in two complete show-reel production pieces.

Lectures: 1 hour per week; tutorials: 2 hours per week.

Prerequisites: MCC128 Screen and Sound Production I (TV Studio) (or MED107 Screen and Sound Production I (TV Studio) or MED107

Screen Production I (TV Studio)) AND MCC116 Introduction to Screen and Sound Studies (or MED116 Introduction to Screen and Sound Studies or MED116 Introduction to Screen Studies).

Exclusions: Students who have successfully completed MED226 Screen and Sound Production II may not enrol in this unit for credit.

### Screen Production 2 (SCR201)

Credit Points: 3

MURDOCH: S1-internal

Students collaboratively produce short creative dramatic or experimental works in high-definition video, resulting in two complete show-reel production pieces. This unit encourages students to develop their intellectual and expressive capacities in video production. Students are taught aesthetic and conceptual conventions, operational and technical skills, and the production process by means of demonstrations and individual and group production work.

Lectures: 1 x 1 hour per week for 9 weeks of the semester; tutorials: 2 hours per week for 9 weeks of the semester.

Students will work in groups on set to create screen productions for assessment.

Prerequisites: SCR101 Screen Production 1.

Exclusions: Students who have successfully completed MCC226 Professional Development in Screen Production may not enrol in this unit for credit.

### Screen Production I (MCC128)

Credit Points: 3

DUBAI-ISC: TMD-internal

This is an introductory unit for students who wish to learn how to produce film and television. Students are introduced to a variety of existing production crafts that can be applied within a digital video environment. These include scriptwriting, editing, camera, performance, sound and producing. Students will use these practical creative skills, to produce short videos to develop an understanding of film style, performance and genre.

Lectures: 1 hour per week; workshops: 2 hours per week.

Note: Lectures and workshops/tutorials commence in Week 1 of the semester.

Prerequisites: Nil.

Exclusions: Students who have successfully completed MED107 Screen and Sound Production I (TV Studio) or MCC128 Screen and Sound Production I (TV Studio) (or H222 Screen Production) may not enrol in this unit.

### Screen Text (SCR348)

Credit Points: 3

Not available this year

This unit addresses the question of how film makes sense from a broad context of historical, political, socio-economic, and cultural perspectives. It provides a theoretical foundation for students to think critically about cinema and to write about screen art in a scholarly style. The unit consists of three learning blocks: methodological questions of how films are studied; aesthetics questions of narratology, genre and authorship; and field theory of representation of nation and gender.

Lectures: 1 hour per week; screenings: 2 hours per week; tutorials: 1.5 hours per week (for 9 weeks).

Prerequisites: Nil.

Exclusions: Students who have successfully completed MCC248/

MCC2481 Screen Texts may not enrol in this unit for credit.

### Screen Texts (MCC248)

Credit Points: 4

KAPLAN-SGP: TMA-internal  
SGP1: TMB-internal

This unit addresses the question of how film makes sense from a broad context of historical, political, socio-economic, and cultural perspectives. It provides a theoretical foundation for students to think critically about cinema and to write about screen art in a scholarly style. The unit consists three learning blocks: methodological questions of how films are studied; aesthetics questions of narratology, genre and authorship; and field theory of representation of nation and gender.

Lectures/screenings: 3 hours per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed MED232 Screen Texts may not enrol in this unit for credit.

Students enrolled at the Dubai campus should enrol in MCC2481.

### Screen Texts (MCC2481)

*As for MCC248 except:*

Credit Points: 4

DUBAI-ISC: TMD-internal

This unit is restricted to students enrolled at the Dubai campus.

### Screen: Small, Medium and Large (CMS201)

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit will provide historical perspectives on the emergence of cinematic, domestic and mobile screens. It will introduce students to a range of approaches in the study of contemporary screen culture and visual literacy. The unit will also consider the convergence and divergence of media platforms, interfaces and content. This will include issues concerning participatory media, gamification, remediation of old and new media and the ongoing evolution of the web.

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

### Second/Foreign Languages and the Curriculum (EDN3162)

Credit Points: 3

MURDOCH: S1-internal, S1-external

The aim of this unit is to provide intending teachers of a second or foreign language with necessary skills in the areas of curriculum design and implementation. The unit comprises the general study of language and the curriculum, together with providing some opportunity for working with specific language curricula. It examines language teaching practice, and gives students the opportunity to explore a variety of classroom techniques and approaches.

Lecture/workshops: 2 x 2 hours per week.

Prerequisites: Enrolment in Graduate Diploma in Education (Primary) AND successful completion of EDN112/EDN1121 Understanding Teachers' Work or EDU101/EDU1011 Introduction to Teaching.  
AND

Languages (LOTE): Adequate language skills (this should be confirmed with the unit coordinator); TESL: Nil.

### Second/Foreign Languages and the Curriculum (Major) (EDN416)

Credit Points: 4

MURDOCH: S1-internal, S1-external

The aim of this unit is to provide intending teachers of a second or foreign language with necessary skills in the areas of curriculum design and implementation. The unit comprises the general study of language and the curriculum, together with providing some opportunity for working with specific language curricula. It examines language teaching practice, and gives students the opportunity to explore a variety of classroom techniques and approaches.

Workshops: 2 x 2 hours per week.

Prerequisites: Enrolment in Bachelor of Education (Secondary) and completion of, or concurrent enrolment in EDN4101 Professional Experience: BEd Secondary; or Enrolment in Graduate Diploma in Education (Secondary).

### Second/Foreign Languages and the Curriculum (Minor) (EDN316)

Credit Points: 2

MURDOCH: S1-internal, S1-external

The aim of this unit is to provide intending teachers of a second or foreign language with necessary skills in the areas of curriculum design and implementation. The unit comprises the general study of language and the curriculum, together with providing some opportunity for working with specific language curricula. It examines language teaching practice, and gives students the opportunity to explore a variety of classroom techniques and approaches.

Lecture/workshops: 2 x 2 hours per week (over 10 weeks).

Prerequisites: Enrolment in a Teacher Education course; BED150/EDN112/EDN1121 Understanding Teachers' Work or EDU101/EDU1011 Introduction to Teaching  
AND

Languages (LOTE): Adequate language skills (this should be confirmed with the unit co-ordinator); TESL: Nil.

Students should also be enrolled in EDN3101 Professional Experience: BEd Secondary for students enrolled in the Bachelor of Education (Secondary) OR Bachelor of Education (Secondary) (Graduate), where taking this unit (EDN316) as a curriculum minor.  
OR

Enrolment in EDN2161/EDN514 Professional Experience: Secondary Graduate for students enrolled in the Graduate Diploma in Education (Secondary) and taking EDN316 as a curriculum minor.

Pre-service teachers must have two current mandatory checks on record in the Murdoch University School of Education Professional Experience Office prior to commencement of this placement: Department of Education National Police History Check and a WA Working with Children Check. Refer to the School of Education Professional Experience website for details:

<http://www.murdoch.edu.au/School-of-Education/Professional-Experience/Checks-and-clearances/>

Pre-service Teachers must submit a Placement Form to the School of Education Professional Experience Office by the due date. A Placement Form activates the placement process and guarantees a school placement. Placement details will be available on SONIA (the School of Education placement database) at <https://myplacement.murdoch.edu.au/SoniaOnline>

### **Second/Foreign Languages and the Curriculum A (Secondary 7 - 10) (EDN375)**

Credit Points: 3

Not available this year

### **Second/Foreign Languages and the Curriculum B (Secondary 11 - 12) (EDN475)**

Credit Points: 3

Not available this year

### **Security and Terrorism in India (POL314)**

Credit Points: 4

Not available this year

India is a rising superpower and an economic powerhouse. It is, however, a country with enormous security problems particularly the threat of terrorism. This unit will provide students with an opportunity to study in India and learn from Indian experts about the various security threats that India is facing and how it is coping with these challenges. Students will also be able to experience first-hand the diversity of Indian culture and the Indian way of life.

This unit is a 5-week intensive unit that will include a two-week period in India. Students will be required to attend a pre-departure seminar in Perth. Details will be provided to enrolled students. Whilst in India, students will be taught intensively at two different locations: Delhi and Mumbai. There will be a total of 14 two-hour seminars. There will also be field visits to several locations in Delhi and Mumbai to witness firsthand the effects of terrorist attacks. Upon return to Perth, students will have to complete unit assignments (presentation of a travel diary and a major essay) and take a closed book final exam.

Prerequisites: Approval of the Unit Coordinator.

Enrolment in this unit is by application and applications require payment of a non-refundable deposit. The tour costs will include airfares, airport transfers, accommodation, tours and transport through India. Prices are subject to exchange rate fluctuations. Students are also required to pay for and are responsible for their own incidental expenses, including passport, visa, vaccinations, personal health items, personal shopping and some meals.

### **Security Architectures and Systems Administration (ICT379)**

Credit Points: 3

Not available this year

This unit will consider the architecture and administration of a secure computing environment from several perspectives: that of the local machine, a networked computer system, and finally an organisational IT infrastructure. The unit provides an understanding of the hardware and software environment required to support security, reviews models of system security, and reviews techniques to evaluate and measure how secure a system is. Throughout these areas, systems analysis tools and techniques will be introduced to support these security goals.

Lectures: 1 x 2 hours per week; tutorials: 1 x 2 hours per week.

Prerequisites: ICT287 Computer Security

### **Semester in Indonesia (IND243)**

Credit Points: 12

MURDOCH: S1-internal, S2-internal

Students spend a semester studying at an Indonesian university, undertaking various studies, which may include intensive language, fieldwork and area studies.

Prerequisites: Vary, but admission requires permission of the Unit Coordinator and at least a credit average in Murdoch units. Host institutions may have particular requirements for admission.

Students can take a maximum of 24 points in this unit. Places are limited and all intending students must apply to the Academic Chair. Strict conditions and additional costs may apply. Graduate students should enrol in the higher-level code for this unit except where the course structure states otherwise. Contact the Asian Studies Office for further information.

Students undertaking this unit will need to be aware of Travel Advisories as published by the Department of Foreign Affairs and Trade (DFAT).

A result of Ungraded Pass or Fail is awarded for this unit.

### **Semester in Indonesia (IND443)**

Credit Points: 12

MURDOCH: S1-internal, S2-internal

Students spend a semester studying at an Indonesian university, undertaking various studies, which may include intensive language, fieldwork and area studies.

Prerequisites: Vary, but admission requires permission of the Unit Coordinator and at least a credit average in Murdoch units. Host institutions may have particular requirements for admission.

Students can take a maximum of 24 points in this unit. Places are limited and all intending students must apply to the Academic Chair. Strict conditions and additional costs may apply. Graduate students should enrol in the higher-level code for this unit except where the course structure states otherwise. Contact the Asian Studies Office for further information.

Students undertaking this unit will need to be aware of Travel Advisories as published by the Department of Foreign Affairs and Trade (DFAT).

A result of Ungraded Pass or Fail is awarded for this unit.

### **Semester in Indonesia (IND543)**

Credit Points: 12

MURDOCH: S1-internal, S2-internal

Students spend a semester studying at an Indonesian university, undertaking various studies, which may include intensive language, fieldwork and area studies.

Prerequisites: Vary, but admission requires permission of the Unit Coordinator. Host institutions may have particular requirements for admission. Plus IND361 Indonesian III (minimum 4 points).

Students can take a maximum of 24 points in this unit. Places are limited and all intending students must apply to the Academic Chair. Strict conditions and additional costs may apply. Graduate students should enrol in the higher-level code for this unit except where the course structure states otherwise. Contact the Asian Studies Office for further information.

Students undertaking this unit will need to be aware of Travel Advisories as published by the Department of Foreign Affairs and Trade (DFAT).

A result of Ungraded Pass or Fail is awarded for this unit.

**Semester in Japan (JPN443)**

Credit Points: 12

MURDOCH: S1-internal, S2-internal

This unit encompasses various studies in Japan, including intensive language, fieldwork and area studies.

Prerequisites: Requires permission of the Unit Coordinator and at least a credit average in Murdoch units. Host institutions have particular requirements for admission.

Students can take a maximum of 24 points in this unit. Places are limited and all intending students must apply to the Unit Coordinator. Strict conditions and additional costs apply. Contact the Unit Coordinator for further information.

Students undertaking this unit will need to be aware of travel advice as published by the Department of Foreign Affairs and Trade (DFAT).

A result of Ungraded Pass or Fail is awarded for this unit.

**Semester in Japan (JPN543)**

Credit Points: 12

MURDOCH: S1-internal, S2-internal

This unit encompasses various studies in Japan, including intensive language, fieldwork and area studies.

Prerequisites: Requires permission of the Unit Coordinator. Host institutions have particular requirements for admission.

Places are limited and all intending students must apply to the Unit Coordinator. Strict conditions and additional costs apply. Contact the Unit Coordinator for further information.

Students undertaking this unit will need to be aware of travel advice as published by the Department of Foreign Affairs and Trade (DFAT).

A result of Ungraded Pass or Fail is awarded for this unit.

**Seminar in the Study of Religion (REL311)**

Credit Points: 3

Not available this year

This unit will focus on advanced theoretical and methodological approaches to the study of religion. The unit will use one or more specific religious traditions as the focal point. This unit is the capstone experience for the Religion major. The key component of the unit will be a research project that demonstrates the learning outcomes of the major.

Seminars: 2 hours per week.

Prerequisites: Completion of a minimum of 48 points, including a minimum of 15 points in Religion. The 15 points in Religion must include the identified core units from years 1 and 2.

**Seminars in Veterinary Clinical Studies (VET679)**

Credit Points: 3

MURDOCH: H-internal, Y-internal

This unit explores issues that are pertinent to all areas of clinical veterinary medical research. The students are required to present one formal seminar during the unit, to critique and reflect on 6 of the seminars presented, and attend and participate in discussion/questions.

Seminars: 1 x 1 hour per fortnight. There are approximately 25 seminars scheduled per year. Attendance at >80% (> 20) is necessary.

Prerequisites: Enrolment into Master of Veterinary Clinical Studies or Doctor of Veterinary Medical Science.

**Sentencing and Penology (CRM320)***As for LAW320 except:*

Credit Points: 4

MURDOCH: S1-internal

Lectures: 3 hours per week.

Prerequisites: LEG100 Law, Justice and Social Policy or LEG150 Australian Legal System or permission of the Unit Coordinator and Academic Chair.

Students enrolled in the LLB/BCrim joint degree must enrol in the CRM320 version of the unit; they must not enrol in the LAW320 version of the unit.

**Sentencing and Penology (LAW320)**

Credit Points: 4

MURDOCH: S1-internal

This unit investigates the theory and practice of sentencing for criminal offences. Attention will be given to the established and statutory reasons and justifications for sentencing and the appropriate use of them. Focus will be placed on the concepts of sentence administration and the contemporary issues and challenges facing correctional institutions in Western Australia. The unit will consider aspects of the following statutes and their interpretation: Prisons Act 1981 (WA); Sentence Administration Act 2003(WA); and Sentencing Act 1995(WA).

Lectures: 3 hours per week.

Prerequisites: LEG120 (prior to 2012)/LAW120 Research and Writing, LEG150 (prior to 2011)/LAW150 Australian Legal System, LAW130 Criminal Law and Procedure.

Students enrolled in the LLB/BCrim joint degree must enrol in the CRM320 version of the unit. They must not enrol in the LAW320 version of the unit.

**Services Marketing (BUS268)**

Credit Points: 4

DUBAI-ISC: TMD-internal

KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal

SGP1: TMB-internal

The learning objectives of this unit are based on analysing the differences between services and tangible goods, and the marketing implications of those differences. The development of marketing strategies for service organisations will be critically examined and include conducting research projects of selected service organisations. The importance of services marketing, online and offline, in both service and manufacturing industries will be analysed together with customer service, relationship marketing and service quality concepts.

Lectures/workshops: 3 hours per week.

Prerequisites: BUS169 Principles of Marketing or BUS183 Foundations of Marketing

Exclusions: Students who have successfully completed BUS324 Services Marketing or BUS296 cannot enrol in this unit for credit.

**Services Marketing (BUS296)***As for BUS268 except:*

Credit Points: 3

MURDOCH: S1-internal, S1-external

Lectures: 2 hours per week; tutorials: 1 hour per week

Prerequisites: BUS169 Principles of Marketing or BUS183



**Foundations of Marketing**

Exclusions: Students who have successfully completed BUS268/BUS324 Services Marketing may not enrol in this unit for credit.

**Sex and Gender Matters (POL226)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit covers normative and theoretical perspectives on sex and gender - and why these matter for life, happiness and justice. The perspectives are examined through topics including: gender and nature; science of gender difference; masculinities; divisions of paid and unpaid work; politics of sexuality; gender and security; and gender and development. Students are encouraged to reflect on their own gendered positions and to link the personal and familiar with the political and structural.

Lectures, tutorials and on-line discussion.

Prerequisites: Nil.

Exclusions: Students who have completed POL216 Sex and Gender Matters may not enrol in this unit for credit.

**Shakespeare (EGL308)**

Credit Points: 4

MURDOCH: S2-internal, S2-external

This unit addresses questions surrounding the canonical status in literary and theatrical fields of the Shakespearean text and focuses on ways in which power functions in the cultural matrix within which Shakespearean productions occur, whether written or performed. The unit will provide students with an introduction to Shakespeare 'poetics', and an opportunity to read closely several plays. The workshop component has a Theatre in Education focus and adapts a Shakespearean play for public performances.

Lectures: 1 hour per week; tutorials 1 hour per week; workshops 2 hours per week.

Prerequisites: Nil.

**Shakespeare (EGL348)**

*As for EGL308 except:*

Credit Points: 3

Not available this year

**Shipping Law (LAW339)**

Credit Points: 4

MURDOCH: S2-internal

This unit provides an overview of the law applicable to the commercial trade of shipping. It deals with the legal relationships brought about during carriage of goods by sea, including bills of lading, waybills, and the various types of charter parties. The unit considers the complex matrix created by custom, principles of common law (such as tort, contract and bailment) and civil law, international conventions and the laws of individual nations in governing this important area of commercial trade.

3 hours per week.

Prerequisites: LEG120(prior to 2012)/LAW120 Research and Writing, LEG150(prior to 2011)/LAW150 Australian Legal System, LAW152 Torts, LAW130 Criminal Law and Procedure, LAW260 Contract.

**Shipping Law (LLB339)**

*As for LAW339 except:*

Credit Points: 3

Not available this year

Prerequisites: LEG120 (prior to 2012)/LAW120 Research and Writing, LEG150(prior to 2011)/LAW150 Australian Legal System, LAW152 Torts, LAW130 Criminal Law and Procedure, LAW260 Contract.

Exclusions: students who have completed LAW339 may not enrol in this unit for credit.

**Small Animal Medicine (VET452)**

Credit Points: 4

MURDOCH: S2-internal

This unit teaches rational approaches to medical problems (both diagnosis and treatment) encountered in dogs and cats. Lectures follow a body system program and laboratories will reinforce these principles in a practical setting. Students at the end of this unit will be able to formulate differential diagnoses lists, diagnostic plans and treatment options for a wide variety of clinical problems.

Lectures: 4 x 1 hour per week; (60 hours); practicals: 1 x 2 hours per week (24 hours).

Prerequisites: Enrolment in Applied Veterinary Medicine. Completion of VET459 Surgical Secrets, VET456 Anaesthesia, Emergency and Critical Care, VET462 Veterinary Diagnostic Imaging, VET461 General Small Animal Practice.

**Small Animal Practice I (VET575)**

*As for VET585 except:*

Credit Points: 6

Not available this year

**Small Animal Practice I (VET585)**

Credit Points: 3

MURDOCH: YM-internal

This is one of two units (SAP 1 and SAP 2) that offer supported practical training across all aspects of small animal practice. Multiple types of training are offered continuously and students rotate through in small groups. SAP 1 includes Small Animal Medicine, General Practice, Shelter Medicine, Dentistry, Wildlife Medicine and Ophthalmology.

Tutorials and clinic training: 30 hours per week average.

Prerequisites: Pass grade in VET419, VET451, VET453, VET454, VET455, VET457, VET458, VET459, VET463.

Successful completion of SAP 1 and SAP 2 is a prerequisite for graduation with a BVMS degree.

**Small Animal Practice II (VET576)**

*As for VET586 except:*

Credit Points: 6

Not available this year

**Small Animal Practice II (VET586)**

Credit Points: 3

MURDOCH: YM-internal

This is one of two units (SAP 1 and SAP 2) that offer supported practical training across all aspects of small animal practice. Multiple types of training are offered continuously and students rotate through in small groups. SAP 2 includes Small Animal Surgery, Anaesthesia (large and small animal), Emergency and Critical Care and Dermatology. Students completing these units will graduate competent for registration and employment in small animal clinical practice.

Tutorials and clinical training: average 30 hours per week.

Prerequisites: Pass grade in VET419, VET451, VET459, VET453, VET454, VET455, VET457, VET458, VET463.

Successful completion of SAP 1 and SAP 2 is a prerequisite for graduation with a BVMS degree.

**Small Animal Surgery (VET457)**

Credit Points: 3

MURDOCH: YM-internal

This unit covers the fundamentals of surgical management of diseases of the dog and cat. The unit content is presented on a systems basis, with the major soft tissue areas (gastrointestinal, urinary, reproductive, cardiorespiratory) covered in Semester 1, and orthopaedics and neurology presented in Semester 2. Laboratory classes are used to develop surgical and other clinical skills.

Lectures: 48 hours in S1; laboratories: 72 hours over S1 and S2.

Prerequisites: Enrolment in Applied Veterinary Medicine. Completion of VET459 Surgical Secrets, VET456 Anaesthesia, Emergency and Critical Care, VET462 Veterinary Diagnostic Imaging, VET461 General Small Animal Practice.

**Small Ruminant Medicine and Production (VET419)**

Credit Points: 2

MURDOCH: S2-internal

This unit covers the diagnosis, treatment, prevention and control of diseases of sheep and goats. Particular emphasis is placed on the prevention of disease and correction of management and nutritional factors affecting production. The general principles involved in the investigation of sheep flock and goat herd problems and formulation of herd and flock health and production programs is emphasised.

Lectures: 36 hours; laboratories: 12 hours.

Prerequisites: Enrolment in Applied Veterinary Medicine. Completion of VET459 Surgical Secrets, VET456 Anaesthesia, Emergency and Critical Care, VET462 Veterinary Diagnostic Imaging, VET461 General Small Animal Practice.

**Social and Welfare Law (LAW323)**

Credit Points: 4

MURDOCH: S2-internal

An introduction to substantive areas of law which affect the majority of average, low-income citizens. Specific areas which may be explored: social security law, landlord/tenant law, public housing law, criminal injuries compensation, and domestic violence. This unit will also focus on the manner in which problems and disputes in each of the areas are addressed and resolved by legal and government institutions. This unit will be valuable for those students intending to work in community law centres.

Seminars: 3 hours per week.

Prerequisites: LEG120 (prior to 2012)/LAW120 Research and Writing, LEG150 (prior to 2011)/LAW150 Australian Legal System, LAW152 Torts, LAW130 Criminal Law and Procedure, LAW260 Contract.

Students taking the unit at the advanced level will be required to demonstrate an ability to work on topics that require more independent thinking and advanced research or analytical skills.

**Social and Welfare Law (LEG323)***As for LAW323 except:*

Credit Points: 3

Not available this year

Prerequisites: LEG100 Law, Justice and Social Policy or LEG150 Australian Legal System (prior to 2011) or permission of the Unit Coordinator and Academic Chair.

Exclusions: Students who have completed LAW323/LEG223/LEG323 may not enrol in this unit for credit.

**Social and Welfare Law (LEG393)***As for LAW323 except:*

Credit Points: 4

MURDOCH: S2-internal

Seminars: 3 hours per week.

Prerequisites: LEG100 Law, Justice and Social Policy or LEG150 Australian Legal System (prior to 2011) or permission of the Unit Coordinator and Academic Chair.

Exclusions: Students who have completed LEG223 Social and Welfare Law may not enrol in this unit for credit.

Students taking the unit at the advanced level will be required to demonstrate an ability to work on topics that require more independent thinking and advanced research or analytical skills.

**Social and Welfare Law (LLB323)***As for LAW323 except:*

Credit Points: 3

Not available this year

Prerequisites: LEG120 (prior to 2012)/LAW120 Research and Writing, LEG150 (prior to 2011)/LAW150 Australian Legal System, LAW152 Torts, LAW130 Criminal Law and Procedure, LAW260 Contract.

Exclusions: Students who have completed LAW323/LEG223/LEG323 Social and Welfare Law may not enrol in this unit for credit

**Social Media Analysis (WEB566)**

Credit Points: 3

MURDOCH: S2-internal

This unit explores the application of communication technologies with an emphasis on digital and social media. It considers the use of social media in professional, government and community and public relations contexts. Students develop skills in audience research, campaign planning and the resources required to engage in the application of an online social media strategy for a variety of online contexts.

Laboratories: 2 hours; online lectures: 1 hour.

### **Social Policy for the Contemporary World (SWM626)**

Credit Points: 3

Not available this year

How do social issues emerge onto the policy agenda? This unit explores the relationship between government and the role of the community in the development and implementation of social policy. It covers a range of theoretical perspectives that have informed the development of social policy; it emphasises the role of language in the construction of social policy problems; and it provides students with the conceptual and analytical tools to critically assess the social policy options available in contemporary society.

Seminars and workshops are delivered in intensive teaching mode (24 hours contact time), which may include evenings and weekends. Students will then complete research assignments independently, in consultation with teaching staff.

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students who have successfully completed COD655 Community and Social Policy may not enrol in this unit for credit.

### **Social Science Research Design (SWM618)**

Credit Points: 3

MURDOCH: S1-internal

This unit develops the skills required to devise robust research projects. It emphasises the importance of aligning the core research question of a project with an appropriate research design. A range of research strategies are considered for the conceptualisation and execution of problem-driven social research. Key issues include the research puzzle, the literature review, methodology, ethics, and the development of effective research proposals. Students will be provided with the tools involved in the preparation and development of social science research.

Seminars and workshops are delivered in intensive teaching mode (24 hours contact time), which may include evenings and weekends. Students will undertake in class and out of session exercises, and complete the set assessment task independently, in consultation with teaching staff.

Prerequisites: Enrolment in the Master of Public Policy and Management, Master of Development Studies, or Master of International Affairs. Completion of at least 24 credit points with 70+ grade average. Co-requisite: SWM617 Supervised Research Thesis.

### **Society and Environment Curriculum (Secondary) (Major) (EDN418)**

Credit Points: 4

MURDOCH: S1-internal, S1-external

This unit encourages students to develop a critical understanding of the principles and practices of teaching and learning in the Society and Environment learning area in Western Australian secondary schools. Particular attention is given to the construction of Society and Environment curricula within the context of the Western Australian Curriculum Framework and in the Australian Curriculum. The unit explores the various ways in which student learning outcomes may be developed, monitored and assessed.

Lectures/workshops: 2 x 2 hour workshops per week (40 hours).

Prerequisites: Enrolment in a teacher education course [either BEd (Secondary) or BEd (Secondary) (Graduate) or GradDipEd (Secondary)]; successful completion of BED150/EDN112/EDN1121 Understanding Teachers' Work or EDU101/EDU1011 Introduction to Teaching.

EDN418: completion or near completion, of a major in the Social Sciences or its equivalent and enrolment in EDN4101 School Experience: Secondary BEd for students enrolled in the Bachelor of Education (Secondary).

### **Society and Environment Curriculum (Secondary) (Minor) (EDN318)**

Credit Points: 2

MURDOCH: S1-internal, S1-external

This unit encourages students to develop a critical understanding of the principles and practices of teaching and learning in the Society and Environment learning area in Western Australian secondary schools. Particular attention is given to the construction of Society and Environment curricula within the context of the Western Australian Curriculum Framework and in the Australian Curriculum. The unit explores the various ways in which student learning outcomes may be developed, monitored and assessed.

Lectures/workshops: 4 hours per week.

Prerequisites: Enrolment in a teacher education course [either BEd (Secondary) or GradDipEd (Secondary)]; successful completion of BED150/EDN112/EDN1121 Understanding Teachers' Work or EDU101/EDU1011 Introduction to Teaching.

At least 4 points at Part II-level in the Social Sciences or its equivalent and enrolment in either EDN3101 School Experience: Secondary BEd for students enrolled in the Bachelor of Education (Secondary) or EDN2161/EDN514 School Experience: Secondary GradDipEd for students enrolled in the Graduate Diploma in Education (Secondary).

Curriculum teaching minor in Society and Environment requires a maximum of two units (6 points) at Part I-level and at least one unit (4 points) at Part II-level from one of the following majors: Asian Studies, Australian Indigenous Studies, Community Development, Criminology, Economics, History, Legal Studies, Philosophy, Politics and International Studies, or Sociology.

### **Society, Culture and Ecology in Asia (AST250)**

Credit Points: 4

MURDOCH: S1-internal, S1-external

Asia is a region of extraordinary cultural and ecological diversity. This unit combines approaches from anthropology, sociology and ecology to explore the 'traditional' adaptations and 'modern' transformation of cultures in the region. The effects of globalisation and development policies on these societies will be considered, with special attention to indigenous minorities and rural communities. The impacts of changing cultural values and social relations through the green revolution, population pressure, urbanisation, industrialisation, deforestation and tourism will also be addressed.

Lectures: 2 hours per week; films: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

### **Society, Culture and Ecology in Asia (AST350)**

Credit Points: 3

Not available this year

Asia is a region of extraordinary cultural and ecological diversity. This unit combines approaches from anthropology, sociology and ecology to explore the 'traditional' adaptations and 'modern' transformation of cultures in the region. The effects of globalisation and development policies on these societies will be considered, with special attention to indigenous minorities and rural communities. The impacts of changing cultural values and social relations through the green revolution, population pressure, urbanisation, industrialisation, deforestation and tourism will also be addressed.

Lectures: 2 hours per week; films: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

### Sociology and Everyday Life (SOC205)

Credit Points: 3

MURDOCH: S2-internal, S2-external

Rapid social and technological change and related processes, such as those of globalisation and individualisation, means we now seem less able to take our everyday lives for granted. This unit illustrates how the study of sociology, a discipline that is currently not well understood in our community, can enhance our ability to reflect upon and respond to these processes.

Lectures/tutorials: 2 hours per week.

Prerequisites: Nil. Highly recommended: SOC134 Introduction to Sociology.

Exclusions: Students who have successfully completed SOC105 Sociology and Everyday Life cannot enrol in this unit for credit.

### Software Architectures (ICT306)

Credit Points: 4

MURDOCH: S1-internal, S1-external  
DUBAI-ISC: TJD-internal, TMD-internal  
KAPLAN-SGP: TMA-internal

The objectives of this unit are to study different software architectures and their implications for software design. Major topics include: pipe-filter architecture and regular expressions, Client-Server architecture, batch versus run-time validation design, object-oriented design and UML, dynamic binding and inheritance, event-based architecture, finite state machines and GUI design, Petri Nets, multithreading and synchronisation, layered architectures, design patterns and other architectures. The Java programming language will be used to demonstrate implementations.

Lectures: 1 x 2 hours per week; tutorials: 1 hour per week.

Prerequisites: ICT104 Principles of Computer Science OR ICT167 Principles of Computer Science; ICT231 Systems Analysis and Design OR ICT239 Software Development Frameworks.

### Software Architectures (ICT373)

*As for ICT306 except:*

Credit Points: 3

Not available this year

### Software Development Frameworks (ICT239)

Credit Points: 4

MURDOCH: S1-internal, S1-external  
DUBAI-ISC: TMD-internal

This unit aims to provide an introduction to software development frameworks with an emphasis on language interoperability, platform independence and software reuse using Microsoft .NET Framework. Topics include: Common Language Runtime, .NET Framework Class Library, C# and other .NET languages, and application packaging and deployment. It also discusses the history and background of .NET and its relationship with J2EE.

Lectures: 2 hours per week; laboratories: 2 hours per week.

Prerequisites: ICT102 Introduction to Computer Science.

### Software Development Frameworks (ICT365)

Credit Points: 3

Not available this year

This unit aims to provide an introduction to software development frameworks with an emphasis on language interoperability, platform independence and software reuse using Microsoft .NET Framework. Topics include: Common Language Runtime, .NET Framework Class Library, C# and other .NET languages, and application packaging and deployment. It also discusses the history and background of .NET and its relationship with J2EE.

Lectures: 1 x 2 hours per week; laboratories: 1 x 2 hours per week.

Prerequisites: ICT286 Web and Mobile Computing.

### Solar Thermal and Biomass Engineering (ENG441)

Credit Points: 3

Not available this year

### Soldiers and Civilians: War in the Pacific 1941-1945 (HIS258)

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit consists of a comparative history of the Pacific War, considering Japanese, Australian and American perspectives and the war in its political, social, cultural and military aspects. Topics include the role of the Japanese emperor, the debate over the Pearl Harbor attack, the experience of Australian prisoners-of-war, Japanese wartime civilian experience, the internment of Japanese civilians in Australia and the USA, the importance to all sides of concepts of race, the naval war and kamikaze pilots.

Lectures: 1.5 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil.

Exclusions: Students who successfully completed HIS226 Soldiers and Civilians: War in the Pacific 1941-1945 cannot enrol in this unit.

### Sonnet to Song: Understanding Poetry (EGL331)

Credit Points: 4

MURDOCH: S2-internal, S2-external

This unit introduces students to the study of poetry from the sonnet form through to poetic song lyrics. The emphasis is on understanding, appreciating and enjoying the poem. The unit deals with the nature of poetic genres, theories of classification, processes of reading, methods of analysis and key issues in the interpretation of poetry. No previous experience in studying poetry is necessary. It will be possible to write a poem for one of the assignments.

Lectures: 1 hour; tutorials: 1.5 hours

Prerequisites: EGL121 Turning Points in Literature

### Sonnet to Song: Understanding Poetry (EGL344)

*As for EGL331 except:*

Credit Points: 3

Not available this year

**Sound Design (MCC376)**

Credit Points: 4

MURDOCH: S1-internal

Sound Design as a term refers both to the creation of individual sounds and the overall discipline of creating a unified sound component of a creative work. This unit extends skills in recording, editing and mixing sounds to create and synthesise new sound elements, or entire soundtracks, for particular outputs such as industrial sound design, film and television, installations, as well as interactive media such as games or simulations.

Lectures: 1 hour per week; tutorials/workshops: 2 hours per week.

Prerequisites: MCC268 Music Technology AND MCC214 Sound Production

**Sound Design (SOU376)***As for MCC376 except:*

Credit Points: 3

Not available this year

**Sound Production (SOU214)**

Credit Points: 3

MURDOCH: S2-internal (quota of 60 places)

Combines critical study of the production of sound for media with an opportunity to develop specialist skills in the recording of music. Gain an understanding of a range of sound production techniques, such as microphone usage, sound mixing, analogue and digital production techniques, with an introduction to acoustics and psychoacoustics. Access industry standard equipment and technical training, and develop professional, technical and artistic skills and practices.

Seminars: 1 hour per week; workshops: 2 hours per week.

Prerequisites: SOU101 Introduction to Audio Production.

Exclusions: Students who have successfully completed MCC214 Sound Production may not enrol in this unit for credit.

This unit is subject to quota. Quota is due to space and equipment constraints and the supervision demands of a production environment. Selection is based on: best mark in the prerequisite unit; best overall academic performance; Unit Coordinator's discretion when other factors need to be considered.

**Sound Projects (SOU378)**

Credit Points: 3

Not available this year

This unit extends the practical, critical and research skills developed in each of the units in the degree. This unit is designed to be the final production unit in the Sound major. It brings together many of the concepts and skills developed in each of the units in the Sound major in a client-based project. Students are also encouraged to explore collaborative links with other students within the Sound major and in other disciplines.

Seminars/workshops: 2.5 hours per week.

Prerequisites: SOU268 Music Technology (or MCC268 Music Technology) and SOU214 Sound Production (or MCC214 Sound Production).

**Soundtrack (MCC377)**

Credit Points: 4

MURDOCH: S2-internal

Sound used in conjunction with images provides a powerful yet invisible way of affecting our experience. This unit aims to explore the use of sound with pictures in films, television and games. The creative use of sound and music in drama, children's television, first person player games and documentary are among the areas that are examined. Students will gain a critical awareness of the potential of sound and music with moving images.

Lectures: 1 hour per week; tutorials/workshops: 2 hours per week.

Prerequisites: MCC169 Introduction to Sound Studies or SOU169 Introduction to Sound Studies

**Soundtrack (SOU377)***As for MCC377 except:*

Credit Points: 3

Not available this year

**Special Topics in Asian Studies (AST253)**

Credit Points: 3

Topic not currently available

This unit comprises study in particular topics which vary from year to year.

**Special Topics in Australian Indigenous Studies (AIS250)**

Credit Points: 4

Topic not currently available

This unit comprises study in particular topics which vary from year to year.

**Special Topics in Australian Indigenous Studies (AIS530)**

Credit Points: 3

Topic not currently available

This unit comprises study in particular topics which vary from year to year.

**Special Topics in Biological Sciences and Biotechnology (BIO280)**

Credit Points: 3

Topic not currently available

This unit comprises study in particular topics which vary from year to year.

**Special Topics in Business (BUS201)**

Credit Points: 3

Topic not currently available

This unit comprises study in particular topics which vary from year to year.

**Special Topics in Business (BUS2011)**

Credit Points: 3

Topic not currently available

This unit comprises study in particular topics which vary from year to year.

**Special Topics in Business (MBS699)**

Credit Points: 3

Topic not currently available

This unit comprises study in particular topics which vary from year to year.

**Special Topics in Chiropractic (CHI332)**

Credit Points: 4

Topic not currently available

This unit comprises study in particular topics which vary from year to year.

**Special Topics in Criminology (CRM300)**

Credit Points: 4

Topic not currently available

This unit comprises study in particular topics which vary from year to year.

**Special Topics in Cultural Studies (MCC570)**

Credit Points: 4

Topic not currently available

This unit comprises study in particular topics which vary from year to year.

**Special Topics in Development Studies: Corruption, Anti-corruption and its Discontents (SWM640)**

Credit Points: 3

MURDOCH: S2-internal

This unit is organised around three themes. The first theme examines the corruption literature, including the substantial critical response to corruption. The second theme considers issues in corruption, such as the relationship between specific economies and political systems facing corruption in the developing world. The final theme evaluates the effectiveness of various anti-corruption efforts and policies, including taxation, anti-corruption institutions, integrity trainings and transparency measures. The focus is applied knowledge and problem-solving using case studies and simulations in-class.

Seminars and workshops are delivered in intensive teaching mode (24 hours contact time), which may include evenings and weekends. Students will then complete research assignments independently, in consultation with teaching staff.

Prerequisites: Nil.

**Special Topics in Education (EDN311)**

Credit Points: 3

Topic not currently available

This unit comprises study in particular topics which vary from year to year.

**Special Topics in Education (EDN411)**

Credit Points: 4

Topic not currently available

This unit comprises study in particular topics which vary from year to year.

**Special Topics in Education (EDU511)**

Credit Points: 3

Topic not currently available

This unit comprises study in particular topics which vary from year to year.

**Special Topics in Education (EDU611)**

Credit Points: 3

Topic not currently available

This unit comprises study in particular topics which vary from year to year.

**Special Topics in Education: Catholic Studies - Prayer and Morality (EDN211)**

Credit Points: 3

MURDOCH: SUM-internal

This unit is designed for students considering teaching in Catholic schools in Western Australia. The unit explores the Catholic Church's teaching on prayer and morality. A focus of the unit is how these two areas of Catholic teaching are taught in Religious Education in Catholic schools in Western Australia. An understanding of appropriate prayer experiences for children in Catholic schools is also explored.

Lecture/workshops: 4 hours daily over two weeks in early January. Ten meetings in total.

Prerequisites: Nil.

**Special Topics in Energy Studies (PEC597)**

Credit Points: 4

Topic not currently available

This unit comprises study in particular topics which vary from year to year.

**Special Topics in Environmental Science (ENV330)**

Credit Points: 3

Topic not currently available

This unit comprises study in particular topics which vary from year to year.

**Special Topics in History (HIS2871)**

Credit Points: 4

Topic not currently available

This unit comprises study in particular topics which vary from year to year.

**Special Topics in Information Technology (ICT228)**

Credit Points: 3

Topic not currently available

This unit comprises study in particular topics which vary from year to year.

**Special Topics in Information Technology (ICT330)**

Credit Points: 4

Topic not currently available

This unit comprises study in particular topics which vary from year to year.

**Special Topics in Information Technology (ICT560)**

Credit Points: 3

Topic not currently available

This unit comprises study in particular topics which vary from year to year.

**Special Topics in Information Technology (ICT660)**

Credit Points: 3

Topic not currently available

This unit comprises study in particular topics which vary from year to year.

**Special Topics in International Affairs (SWM650)**

Credit Points: 3

Topic not currently available

This unit comprises study in particular topics which vary from year to year.

**Special Topics in Law (LAW300)**

Credit Points: 4

Topic not currently available

This unit comprises study in particular topics which vary from year to year.

**Special Topics in Legal Studies (LEG300)**

Credit Points: 4

Topic not currently available

This unit comprises study in particular topics which vary from year to year.

**Special Topics in Media (MCC2601)**

Credit Points: 4

Topic not currently available

This unit comprises study in particular topics which vary from year to year.

**Special Topics in Media Production (MCC260)**

Credit Points: 4

Topic not currently available

This unit comprises study in particular topics which vary from year to year.

**Special Topics in Philosophy (PHL283)**

Credit Points: 3

Topic not currently available

This unit comprises study in particular topics which vary from year to year.

**Special Topics in Philosophy (PHL383)**

Credit Points: 3

Topic not currently available

This unit comprises study in particular topics which vary from year to year.

**Special Topics in Politics and International Studies (POL219)**

Credit Points: 3

Topic not currently available

This unit comprises study in particular topics which vary from year to year.

**Special Topics in Public Policy and Management: Cultural and Communications Policy (SWM660)**

Credit Points: 3

MURDOCH: S2-internal

Students will work with a variety of theories, methods, and cases to examine cultural and communications policy. These will include political economy, textual analysis, archival research, participant observation, and discourse analysis. There will be a discussion of cultural and communications policy at various levels: global, regional, national, urban, and rural. Examples will come from Latin America, the UK, and the US, but students will be able to draw on their own foci as well.

Seminars and workshops are delivered in intensive teaching mode (24 hours contact time), which may include evenings and weekends. Students will then complete research assignments independently, in consultation with teaching staff.

May include modelling a new policy; creating a web portal on the subject; interviewing experts; translating scholarship from student's own language into English; listening to podcasts; other activities as directed.

Prerequisites: Enrolment in a graduate-level course.

**Special Topics in Sociology (SOC272)**

Credit Points: 3

Topic not currently available

This unit comprises study in particular topics which vary from year to year.

**Special Topics in Sustainability (SUS250)**

Credit Points: 3

Topic not currently available

This unit comprises study in particular topics which vary from year to year.

**Special Topics in Sustainability (SUS601)**

Credit Points: 3

Topic not currently available

This unit comprises study in particular topics which vary from year to year.

**Special Topics in Sustainable Development (SUS640)**

Credit Points: 3

Topic not currently available

This unit comprises study in particular topics which vary from year to year.

**Special Topics in Theology (THE204)**

Credit Points: 4

Topic not currently available

This unit comprises study in particular topics which vary from year to year.

**Special Topics in Theology (THE274)**

Credit Points: 4

Topic not currently available

This unit comprises study in particular topics which vary from year to year.

**Special Topics in Theology (THE473)**

Credit Points: 4

Topic not currently available

This unit comprises study in particular topics which vary from year to year.

**Special Topics in Tourism (TOU228)**

Credit Points: 3

Topic not currently available

This unit comprises study in particular topics which vary from year to year.

**Special Topics Review (CHI589)**

Credit Points: 2

MURDOCH: T3-internal

Review a range of vital topics which are essential components for clinical practice. Aim: to review and append relevant clinical subjects such as: rheumatology, orthopaedics, neurology, paediatrics, geriatrics, radiology, rehabilitation This unit involves some didactic lectures on musculo-skeletal disorders but is heavily weighted towards students preparing and delivering cast reports from their own experience in clinic. There is also a component of advanced radiology.

Lectures: 2 hours per week; project work/seminars: 2 hours per week.

Prerequisites: Enrolment in BSc/BChiropractic and the successful completion of Years 1 to 4; concurrent enrolment in CHI584 Clinical Practicum.

**Spies, Saboteurs and Secret Agents (HIS257)**

Credit Points: 3

Not available this year

This unit examines famous historical occasions when spies, secret agents or underground saboteurs sought to satisfy the need of governments to obtain political and military intelligence. It considers how they obtained and interpreted this intelligence; how they responded to it; how they tried to keep their own secrets secret; and how secret intelligence has changed history. Underlying the unit is a strong ethical issue: what lengths can a state go in order to preserve itself?

**Spirituality (THE528)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit will examine some of the spiritual traditions associated with different world religions. There will be a focus on spirituality encountered in pastoral engagements. Spiritual inventories will be explored.

Three day-long intensives of six hours, plus six hours of online contact (discussions/tutorials/lectures). Please check the timetable for the scheduling of the intensives.

Prerequisites: Nil.

Exclusions: Students who have successfully completed THE538 Spirituality cannot enrol in this unit.

**Sport Education (EDN356)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal

This unit focuses on the development of Sport Education, a 'games sense' approach to physical education. The unit will address the needs of children, adolescents and young adults in sport while maximising their education, engagement and long-term participation in physical activity. Students will also learn about coaching, officiating and facilitating sport and physical education. On unit completion students will be able to design, develop and implement student-centred learning programs in a variety of sporting and education contexts.

Lectures: 1 x 1 hour; workshops: 1 x 1 hour; practical workshops: 1 x 2 hours.

Prerequisites: Successful completion of EDN116/EDU107 Physical Education.

Exclusions: Students who have successfully completed EDN319 Sport Education (Minor) OR EDN3191 Sport Education may not take this unit for credit.

**Sports Biomechanics (CHI674)**

Credit Points: 4

Not available this year

This unit will allow the student to gain knowledge in biomechanics within the field of sports science. It will encompass discussion in the areas of sports biomechanics specifically addressing physics and human kinetics in areas such as, but not limited to, ball games, gymnastics, athletics, swimming, etc. The focus will be on movement analyses, injury prevention, and performance enhancement from a biomechanical point of view.

External.

Prerequisites: Completion of Chiropractic Degree or equivalent. Enrolment in the Master of Sports Science.



**Sports Nutrition (CHI689)**

Credit Points: 4

Not available this year

This unit will allow the student to build on basic nutrition knowledge (gained from undergraduate sports science and health training) and gain distinctive proficiency in sports nutrition within the field of sports science and sports chiropractic. The unit will encompass discussion in the areas of sports nutrition and its practical implications on the athlete's general health, performance and injuries.

External: No attendance required.

Prerequisites: Completion of Chiropractic degree or equivalent. Enrolment in the Postgraduate Diploma in Sports Chiropractic.

**Sports Practicum (EDN302)**

Credit Points: 4

MURDOCH: Y3-internal

This unit is designed for 1-10 HPE students to develop the instructional and relational skills necessary to be an effective HPE practitioner through sports coaching/officiating in a community context. This unit consists of lectures and an intensive week where specialist coaches will deliver theory and practical components of their Level 1 equivalent coaching course. Each student will be assigned a junior sporting team that they will coach and/or officiate for a season.

An intensive week that runs from 9:00am to 5:00pm during Orientation Week, 1 x 1 hour introductory lecture, monthly mentoring workshops.

A practicum placement coaching a junior sporting team for a season.

Prerequisites: Enrolment in Education (BEd) [Primary, 1-10 Health and Physical Education]; completion of EDN3191 Sport Education.

A result of Ungraded Pass or Fail is awarded for this unit.

**Sports Practicum (EDN357)****As for EDN302 except:**

Credit Points: 3

Not available this year

An intensive week that runs from 9:00am to 5:00pm during Orientation Week, 1 x 1 hour introductory lecture and monthly mentoring workshops

A practicum placement coaching a junior sporting team for a season.

This unit requires students to engage in five level 1 coaching courses that are run during Orientation week in February. These courses will be run Monday to Friday from 9:00am to 5:00pm.

A result of Ungraded Pass or Fail is awarded for this unit.

**Sports Psychology (CHI679)**

Credit Points: 4

Not available this year

This unit allows students to gain knowledge in sports psychology within the field of sports science. The unit will introduce key psychological theories that impact on athletes and coaches, in addition to discussing several families of psychological skills applicable to sport.

External: No attendance required.

Prerequisites: Enrolment in the MSc in Sports Science including

completion of 24 points of graduate work such as the Postgraduate Certificate/Diploma in Neuromusculoskeletal Rehabilitation or the Postgraduate Diploma in Sports Chiropractic, or their equivalents.

**Sports Psychology (EXS201)**

Credit Points: 3

MURDOCH: S1-internal

A contribution of Sport and Exercise Psychology is to understand why people exercise. The unit will explore an important element in the Sport and Exercise Psychology field: motivation. Sport and Exercise Psychology seeks to respond to a paradox of Western culture; the well-established benefits of regular exercise and the persistence of many to a sedentary lifestyle. Unique to this unit is the opportunity to participate in a major community-based exercise event which consolidates the theoretical learnings of the unit.

Lectures: 2 hours; workshops: 2 hours; laboratories: 1 hour.

Involvement in supervised exercise training for the HBF Run for a Reason based at Murdoch University; participation in the HBF Run for a Reason event.

Prerequisites: Nil.

Exclusions: Students who have successfully completed CHI224/EXS224 Sports Psychology may not enrol in this unit for credit.

**Sports Science Practicum (EDN307)**

Credit Points: 4

MURDOCH: Y3-internal

This unit has been designed to provide students with practical field experience in the coaching of children within specific sports. This unit is restricted to those students who are enrolled in the BEd/BSportsSc degree. Through completing this unit, students will have the opportunity to gain coaching accreditation in five specific sports, and complete a practicum coaching and/or officiating within one of those sports for a season.

An intensive week that runs from 9:00 am to 5:00 pm during Orientation Week, 1 x 1 hour introductory lecture, monthly mentoring workshops.

Students will attend one training session and one match per week as part of their coaching duties and will complete their planning for these sessions in their self directed study time.

Prerequisites: CHI208/EXS208 Sports and Health Assessment; and CHI225/EXS225 Principles of Strength and Conditioning; and CHI226/EXS226 Exercise Physiology I; and with a passing mark, in EDU101 Introduction to Teaching or EDN112 Understanding Teachers' Work; and EDU107 Physical Education or EDN116 Physical Education; and EDU236 Sports Education or EDN319 Sports Education.

This unit requires students to engage in five level 1 coaching courses that are run during orientation week in February. These courses will be run Monday - Friday from 9:00am - 5:00pm

A result of Ungraded Pass or Fail is awarded for this unit.

**Sports Science Practicum (EXS315)**

Credit Points: 4

MURDOCH: H-placement, Y-placement

Students will be able to experience the requirements of employment in an exercise or sport science related workplace during practicum placements. Students will utilise knowledge and skills gained in previous years during this supervised practicum. Communication and professionalism skills will also be developed in this unit.

Seminars/workshops/individual consultation: 4 hours per week in Weeks 1 and 2 of Semester 1; 4 hours per week in Weeks 1 and 2 of Semester 2; practicum: A minimum of 140 hours to be completed over the duration of this unit.

Prerequisites: CHI208/EXS208/EXS203 Sports and Health Assessment; CHI225/EXS225 Principles of Strength and Conditioning; CHI209/EXS209/CHI2091/EXS2091 Biomechanics or Biomechanics and Manual Skills; and CHI226/EXS226 Exercise Physiology I.

Exclusions: Student who have successfully completed CHI315 Sports Science Practicum may not enrol in this unit for credit.

A result of Ungraded Pass or Fail is awarded for this unit.

### States and Nationalisms (POL260)

Credit Points: 4

Not available this year

The unit seeks to explain challenges to the authority of the modern state by examining some of the key conceptualisations of 'state' and 'nation', thus providing the benchmarks by which individual states might be examined, evaluated and compared. Students will become familiar with the main conceptual models, and will be asked to apply these to the case of a particular state, selected themselves.

Up to 4 hours per week.

Prerequisites: Nil.

Exclusions: Students who have satisfactorily completed POL260 Modern Theories of the State may not enrol in this unit for credit.

### Statistical Data Analysis (MAS183)

Credit Points: 3

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

MAS183 introduces students to data collection methods and statistical analysis techniques commonly encountered in the life and health sciences. Topics: numerical and graphical description of data, probability and sampling distributions, sampling methods, statistical inference (confidence intervals and hypothesis testing), statistical analysis of relationships, non-parametric methods using statistical software and interpreting its output, reporting statistical conclusions, interpreting statistical results reported in scientific literature.

Lectures: 3 x 1 hour per week; laboratories/tutorials: 1 x 1 hour per week.

A range of optional tutorials, labs, clinics and workshops provide learning help and enrichment as needed.

Prerequisites: Nil.

Exclusions: Students who have successfully completed MAS184 Biostatistics and Information Retrieval may not enrol in this unit.

MAS183 assumes fluency in mathematics at about the level of Year 10 in Australian high schools. Students enrolling in MAS183 are invited to do a Maths Diagnostic Quiz which will refer them to maths learning support if this may be helpful. Please contact the Unit Coordinator if you have any concerns about your maths background.

### Statistical Design and Data Analysis (MAS353)

#### As for MAS374 except:

Credit Points: 3

Not available this year

Lectures: 3 x 1 hour per week; computer laboratories/tutorials: 1 x 1 hour per week.

Prerequisites: MAS223 Applied Statistics or MAS224 Biostatistical Methods or MAS222 Probability and Statistical Inference.

### Statistical Design and Data Analysis (MAS374)

Credit Points: 4

MURDOCH: S2-internal, S2-external

This unit is designed for applied statisticians and scientists who need to apply the principles of statistical science to collect, analyse, interpret and present data of high quality. The rich class of statistical techniques known as regression models, which includes multiple regression, analysis of variance and covariance, and logistic regression are covered. Case studies and student projects explore the use of these techniques on real data from a variety of disciplines using statistical computing packages.

Lectures: 3 x 1 hour per week; tutorials: 1 hour per week.

Prerequisites: MAS284 Applied Statistics and Process Management or MAS230 Biostatistical Methods or MAS278 Probability and Statistical Inference.

Exclusions: Students may not enrol in this unit and either of MAS180 Introduction to Statistics or MAS183 Statistical Data Analysis and Databases concurrently.

### Strategic Decision-Making (MBS606)

Credit Points: 4

DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal  
SGP1: TSP-internal

This capstone core unit assumes a senior management perspective and concerns the overall strategies, objectives and policies of the organisation. Topics include strategy analysis, formulation, implementation and evaluation; strategic portfolio, risk and diversification; organisational structure and systems in strategy making; organisational culture; fragmented, emerging, mature, and declining industry environments; and managing strategic change and organisational renewal. There will also be a strong focus on the global competitiveness of companies, industries and nations.

Lectures/seminars/workshops: 3 hours per week.

Prerequisites: Enrolment in a graduate-level course. It is recommended that students complete MBS513 Accounting for Managers, MBS507 Marketing Management, and MBS508 Organisational Behaviour and Management before attempting this unit.

Exclusions: Students who have successfully completed MBS647 Strategic Decision-Making may not enrol in this unit for credit.

### Strategic Decision-Making (MBS647)

#### As for MBS606 except:

Credit Points: 3

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Lectures/seminars: 3 hours per week

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students who have successfully completed MBS606 Strategic Decision-Making may not enrol in this unit for credit.

### Strategic Health Leadership and Management (SWM519)

Credit Points: 3

MURDOCH: W-internal

This unit is designed to provide students with knowledge on leadership and managerial approaches pertaining to health care organisations. The overall objective is, through the use of case studies, to introduce students to theoretical and practical issues in healthcare leadership and management in Australian and global health industries, as well as in developing appropriate competencies to work effectively in health organisations. The unit aims at developing essential strategic health leadership for effective management of health services and projects.

Lectures/seminars: 6 hours per week over four weeks.

Prerequisites: Enrolment in a graduate-level award.

### Strategic Management (BUS317)

Credit Points: 4

MURDOCH: S2-internal, S2-external  
DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TJA-internal, TSA-internal  
SGP1: TJB-internal, TSB-internal

This is a capstone unit which is aimed at preparing students to think strategically, and to look at all the issues and problems affecting the strategic initiatives of an organisation, from a total corporate perspective. The unit provides a conceptual framework of corporate strategy and policy formulation, and integrates the key functional areas for business including, organisational learning, innovation, knowledge management, marketing, finance and human resource management for strategic decision making.

Lectures: 1 hour per week; workshop: 2 hours per week.

Prerequisites: BUS223 Organisational Theory and Behaviour or BUS240 Organisation Development and Human Resources Management or BUS298 Organisation Development and Change or BUS297 Principles of Human Resources Management or BUS293 Organisational Theory and Behaviour

### Strategic Management (BUS349)

*As for BUS317 except:*

Credit Points: 3

Not available this year

Lectures: 1 hour per week; workshops: 2 hours per week.

Prerequisites: BUS223 Organisational Theory and Behaviour or BUS240 Organisation Development and Human Resources Management or BUS298 Organisation Development and Change or BUS297 Principles of Human Resources Management or BUS293 Organisational Theory and Behaviour

Exclusions: students who have completed BUS317 Strategic Management may not enrol in this unit for credit.

### Strategic Marketing (BUS350)

*As for BUS382 except:*

Credit Points: 3

Not available this year

Prerequisites: BUS273/BUS299 Consumer Behaviour; BUS235/BUS210 Marketing Research and Analysis or MCC213 Communication Research (for Digital Marketing students)

Exclusions: Students who have successfully completed BUS382 Strategic Marketing may not enrol in this unit for credit.

### Strategic Marketing (BUS382)

Credit Points: 4

MURDOCH: S2-internal  
DUBAI-ISC: TMD-internal  
KAPLAN-SGP: TMA-internal  
SGP1: TMB-internal

This is the final capstone unit of the marketing major degree. It provides a comprehensive and practical understanding of the strategic marketing management process in a competitive environment. A central focus is the preparation of a strategic marketing plan for a specific product or service. The unit develops the generic skills of strategic thinking, planning, design, formulation, implementation and communication. It provides a succinct review of key issues in strategic marketing research and the current state of the marketing industry.

Seminars: 1 x 3 hours per week.

Prerequisites: BUS273 Consumer Behaviour; BUS235 Marketing Research and Analysis or MCC213 Communication Research (for Digital Marketing students)

### Strategic Marketing Management (MBS507)

Credit Points: 4

DUBAI-ISC: TMD-internal  
KAPLAN-SGP: TJA-internal, TSA-internal  
SGP1: TMP-internal

This unit offers a sound foundation in marketing management strategy, which is relevant for all types of profit and not for profit businesses and organisations. Marketing management strategy is essential practice for all brand and service operations. The main topics include the marketing mix, product life cycle, consumer behaviour, the competitive environment, strategic options, market positioning, international marketing and online marketing. Learning activities in class and assignments include developing and presenting a strategic marketing plan for an actual organisation.

Lectures/seminars/workshops: 3 hours per week.

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students cannot enrol in both MBS5072 Strategic Marketing Management and MBS507 Strategic Marketing Management for credit.

Students in C1115 Graduate Certificate in Business Administration (MasterClass) will be enrolled in MBS5072.

### Strategic Marketing Management (MBS5072)

*As for MBS507 except:*

Credit Points: 3

MURDOCH: W-internal

Taught intensively during the Winter term.

Prerequisites: Enrolment in C1083 Postgraduate Certificate in Business Administration (MasterClass) or C1115 Graduate Certificate in Business Administration (MasterClass).

Exclusions: Students cannot enrol in both MBS5072 Strategic Marketing Management and MBS507 Strategic Marketing Management for credit.

Students in C1083 Postgraduate Certificate in Business Administration (MasterClass) will be enrolled in MBS5072.

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**Strategic Marketing Management (MBS537)***As for MBS507 except:*

Credit Points: 3

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students who have completed MBS507 or MBS5072 may not enrol in this unit for credit

Students in C1083 Postgraduate Certificate in Business Administration (MasterClass) will be enrolled in MBS5072.

**Strategic Research in International Markets (MBS574)**

Credit Points: 3

MURDOCH: SP2-internal

Research in international marketing provides information about market needs in various countries. It contributes information for all aspects of marketing and shapes an entity's overall international strategy. Research in International Markets provides students with an in-depth overview of the role and importance of research in international marketing, and the processes of undertaking that research. This includes qualitative and quantitative research methods used to understand and answer specific research questions relevant to businesses, government entities and not-for-profit organisations.

\* All core learning material delivery will be facilitated through attending a combined lecture and seminar style of workshop for 7 weeks and one intensive weekend block mode delivery workshop which will involve work in a computer lab setting.

\* Most seminars will require some pre reading. Students are expected to spend 8/9 hours per week on self-study and preparation for class activities.

\* A range of cases will be selected for analysis and the development of strategic solutions from: Harvard Business School; Wharton Business School; text books; and industry sources. The selected cases will focus on the Asia-Pacific region.

Independent study of recommended and self-generated journal articles and various business publications according to individual interests, abilities and opportunities for cross-cultural issues especially in the Asia-Pacific region.

Prerequisites: Nil.

**Strategies for Effective Learning and Teaching (EDN568)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit examines the knowledge and skills required to effectively plan and implement learning experiences based on knowledge of how students learn, content, and effective teaching and assessment strategies. Students will analyse and evaluate a range of theories related to instruction, behaviour management and assessment and consider the practical application of these in the classroom. Throughout this unit students are offered the opportunity to plan and reflect critically on the use of teaching and assessment strategies in their professional practice.

Lectures/workshops: 1 x 3 hours per week.

Prerequisites: Enrolment in the Master of Teaching (Primary). Successful completion of EDN550 Transition to Teaching, EDN561 Understanding the Learner and the Learning Environment, EDN562 Numeracy and Learning, EDN563 Literacy and Learning and successful completion of / or co-enrolment in EDN564 Mathematics in the Primary Curriculum and EDN565 English and the Primary curriculum, and co-enrolment in EDN567 Professional Experience:

Strategies for Effective Teaching.

**Strength and Resistance Training (EXS103)**

Credit Points: 3

MURDOCH: S2-internal

This unit will focus on current scientific principles of strength and resistance training primarily in the healthy population. While the role of ageing and gender will be discussed, a large portion of the unit will focus on the strength and resistance training aspects associated with athletes and otherwise healthy individuals. The student will then be able to apply these principles to other individuals adopting sedentary behaviours and living with lifestyle-related disease such as cardiovascular disease, obesity and diabetes.

Lectures: 3 hours; laboratories: 2 hours per week.

Peer health assessment with fellow student.

Prerequisites: Nil.

Exclusions: Students who have successfully completed CHI225 Principles of Strength and Conditioning or EXS225 Strength and Resistance Training may not enrol in this unit for credit.

**Structured Workplace Learning Placement -- Information Technology (WKP356)**

Credit Points: 12

MURDOCH: S1-internal, S2-internal, SUM-internal

Students have the option to include an Industry and Professional Experience Program placement within their degree. The placement will be instituted within organisations appropriate to the course of study. Students will be formally supervised by an academic staff member from their course of study but will also come under the direction of their employer. Both the academic supervisor and the employer, in consultation, will assess the unit. The unit includes some workshops to prepare the students for the workplace experience.

Prerequisites: Permission of Academic Chair. Students will have completed Part I studies, and would normally be in their final year of study and achieved a GPA of 2.5 (out of 4).

Disclaimer: Where work placement is a required component of a course, the University will make reasonable endeavours to locate one for enrolled students. However, it cannot guarantee that it will be able to do so for every student. Ultimately, the acceptance of any student for work placement is a decision for the external employer, based on the circumstances prevailing at the time.

**Structured Workplace Learning Placement -- Information Technology (WKP356-03)***As for WKP356 except:*

Credit Points: 3

Not available this year

**Student Engagement and Community Learning (EDU661)**

Credit Points: 3

MURDOCH: S2-external

This unit provides opportunities for teachers to engage young people in schooling through a curriculum that connects with their lifeworlds and/or the concerns of the communities in which they live. The unit examines some different ways of generating knowledge with students including place-based education, service learning, citizenship education, local literacies and students as

researchers. The unit provides teachers with an opportunity to plan a school-based research project that pursues the idea of 'community as curricula'.

External: No attendance required.

Prerequisites: Enrolment in a graduate-level course or permission of the Unit Coordinator.

### Succession Law (LAW345)

Credit Points: 4

Not available this year

Explores the law that governs the transmission of property on death. Thus, the making of wills and their interpretation, the administration of deceased estates (including intestacy) and challenges under testator's family maintenance legislation will all be covered. The unit will address both practical and theoretical aspects of succession law. In particular, it will consider the interpretation of the two major pieces of legislation governing succession law in Western Australia.

Lectures/tutorials: 3 hours per week.

Prerequisites: LAW253 Property; LAW351 Equity and Trusts.

### Succession Law (LLB345)

*As for LAW345 except:*

Credit Points: 3

Not available this year

Prerequisites: LAW253 Property; LAW351 Equity and Trusts.

Exclusions: Students who have successfully completed LAW345 Succession Law may not enrol in this unit for credit.

### Supervised Legal Research (LAW381)

Credit Points: 4

MURDOCH: S1-internal, S2-internal, SUM-internal

This unit offers students the opportunity to work with a staff member who has agreed to supervise a substantial project of legal research in the staff member's area of expertise. Active participation in the supervision process and production of a substantial piece of legal writing between 7000 and 9000 words, in the form of a research essay, opinion, brief, or factum, is required. The application to enrol in this unit is available on the School web site: <http://www.law.murdoch.edu.au/>

No formal contact hours but regular meetings with Supervisor.

Prerequisites: LEG120 (completed prior to 2012)/LAW120 Research and Writing, LEG150 (completed prior to 2011)/LAW150 Australian Legal System, LAW152 Torts, LAW130 Criminal Law and Procedure, LAW260 Contract and permission of Supervisor and Law Academic Chair. This unit is open to a student only on the approval of the proposed staff member and the Law Academic Chair.

### Supervised Legal Research (LLB381)

*As for LAW381 except:*

Credit Points: 3

GENEVA: S2G-internal  
IMACERATA: S2G-internal

Prerequisites: LEG120 (completed prior to 2012)/LAW120 Research and Writing, LEG150 (completed prior to 2011)/LAW150 Australian Legal System, LAW152 Torts, LAW130 Criminal Law and Procedure, LAW260 Contract and permission of Supervisor and Law Academic Chair. This unit is open to a student only on the approval of the proposed staff member and the Law Academic Chair.

Exclusions: Students who have completed LAW381 Supervised Legal Research may not enrol in this unit for credit.

### Supervised Research Thesis (SWM617)

Credit Points: 6

MURDOCH: S1-internal, S2-internal

The supervised research thesis requires that students complete a major study on a relevant topic under the supervision of a member of academic staff. Students will develop and demonstrate skills in research design, evaluation, analysis and critique, together with high level written communication skills, organisation and time management, and the capacity for self directed and independent learning.

Prerequisites: Enrolment in the Master of Public Policy and Management, Master of Development Studies, or Master of International Affairs; completion of at least 24 credit points. Students are required to have at least a Distinction grade average in their Masters coursework units, and to have the permission of the School Dean with approval of the proposed thesis topic. Co-requisite: SWM618 Social Science Research Design

### Supervised Research Thesis (SWM6171)

*As for SWM617 except:*

Credit Points: 9

MURDOCH: S1-internal, S2-internal

Prerequisites: Enrolment in the Master of Public Policy and Management, Master of Development Studies, or Master of International Affairs; completion of at least 24 credit points. Students are required to have at least a Distinction grade average in their Masters coursework units, and to have the permission of the School Dean with approval of the proposed thesis topic. Co-requisite: SWM618 Social Science Research Design.

### Supply Chain Management and Logistics (MBS558)

Credit Points: 4

SGP1: TJR-internal

In an increasingly competitive, complex, connected world, global efficient supply chain management, operations and logistics are instrumental to the success of businesses and organisations. This unit explains the fundamentals of logistics and supply chain management, strategies, their linkages to competitive advantage and the intricacies of supply chain relationships, flow management across supply networks, distribution and transportation. The role of electronic systems in modern logistics and supply chain/networks and critical issues that affect supply chain performance are also covered.

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students who have successfully completed MBS558 Supply Chain Management and Logistics may not enrol in this unit for credit.

### Supply Chain Management and Logistics (MBS658)

Credit Points: 3

MURDOCH: S2-internal, S2-external

In an increasingly competitive, complex, connected world, global efficient supply chain management, operations and logistics are instrumental to the success of businesses and organisations. This unit explains the fundamentals of logistics and supply chain management, strategies, their linkages to competitive advantage and the intricacies of supply chain relationships, flow management across supply networks, distribution and transportation. The role of electronic systems in modern logistics and supply chain/networks

and critical issues that affect supply chain performance are also covered.

Lectures/seminars/workshops: 3 hours per week

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students who have successfully completed MBS558 Supply Chain Management and Logistics may not enrol in this unit for credit.

### **Surgical Secrets (VET459)**

Credit Points: 3

MURDOCH: S2-internal

This unit explores the fundamentals of surgery and builds on the basic concept of aseptic surgical technique. Basic concepts are applied to clinical scenarios which help to illustrate principles. Topics covered include asepsis, basic surgical principles, suture techniques and suture material, wound healing and wound management. Laboratory classes are used to develop practical skills.

Lectures: 24 hours; laboratories: 36 hours.

Prerequisites: Enrolment in Applied Veterinary Medicine; VET345 Veterinary Pharmacology; VET343 Veterinary Diagnostic Pathology; VET442 Animal Systems III; VET429 Professional Life III.

### **Sustainability Assessment (ENV617)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit explores the theory and practice of planning and decision-making for sustainability in the context of organisations (private, community-based, government) and sectors. Sustainability principles are explored with emphasis on an integrated approach and systems thinking. A range of tools and techniques for sustainability assessment and evaluation of existing or proposed development activities are applied. This unit is suitable for all graduate students with interest or professional need to understand and implement sustainability in their policy, management activities and organisations.

Lecture/workshops: 4 x 1 day (8 hours).

Prerequisites: Enrolment in Master of Science in Environmental Science or Master of Protected Area Management.

### **Sustainability, Ecology and Communities (SUS203)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit develops knowledge of the conceptual, practical and policy aspects of sustainable development. The unit focuses on the implementation of sustainability at a local and sub-national level. Systems thinking and resilience are presented as key tools to both understand sustainability problems and develop sustainability solutions within socio-ecological systems. These concepts are then explored through processes of governance and within organisations and communities.

Lectures and tutorials are delivered in 5 day-long sessions held during the semester. Due to the nature of the offering of this unit, students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

Prerequisites: Nil.

Exclusions: Students who have completed STP212 Sustainability, Ecology and Communities or SUS201 Sustainability, Ecology and Communities may not enrol in this unit for credit.

### **Sustainability, Ecology and Communities (SUS512)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit develops knowledge of the conceptual, practical and policy aspects of sustainable development. The unit focuses on the implementation of sustainability at a local and sub-national level. Systems thinking and resilience are presented as key tools to both understand sustainability problems and develop sustainability solutions within socio-ecological systems. These concepts are then explored through processes of governance and within organisations and communities.

Lectures and tutorials are delivered in 5 day-long sessions held during the semester. Due to the nature of the offering of this unit, students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

Prerequisites: Enrolment in an Honours or Graduate-level course.

Exclusions: Students who have successfully completed STP612 Sustainability, Ecology and Communities may not enrol in this unit for credit.

### **Sustainable Development Internship Project (SUS532)**

Credit Points: 6

MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, Y-internal, Y-external

This unit provides an invaluable opportunity to build sustainability skills, knowledge and networks. Students are encouraged to work with government agencies, industry or civil society groups on projects relevant to sustainable development, while drawing on the support of academic supervisors. While suggestions for projects are provided, the onus is on students to organise projects that match their interests and prepare them for further study or their chosen careers.

This unit involves internship or project work undertaken with the guidance of an academic supervisor. There are no regular lectures or tutorials.

Prerequisites: Enrolment in an Honours or Graduate-level course.

Exclusions: Students who have successfully completed STP632/STP6321 Sustainable Development Internship/Project may not enrol in this unit for credit.

### **Sustainable Development Internship/Project (SUS332)**

Credit Points: 8

MURDOCH: S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external

This unit provides an invaluable opportunity to acquire sustainability skills, knowledge and networks. Students are encouraged to work with government agencies, industry or civil society groups on projects relevant to sustainable development, while drawing on the support of academic supervisors. While suggestions for projects are provided, the onus is on students to organise projects that match their interests and prepare them for further study or their chosen careers.

This unit involves internship or project work undertaken with the guidance of an academic supervisor. There are no lectures or tutorials.

Prerequisites: Completion of at least 48 points in one of the following: BA or BSc (Sustainable Development); Bachelor of Sustainability; Bachelor of Business (Sustainability); BA

(International Aid and Development). Other students who can demonstrate sustainability expertise may be eligible for enrolment at the discretion of the Unit Coordinator.

Exclusions: Students who have successfully completed STP332 Sustainable Development Internship/Project may not enrol in this unit for credit.

BSc students taking this unit for science points must ensure a science-based topic, methodology and supervisor. Students should consult the Unit Coordinator regarding their eligibility to enrol in this unit.

### **Sustainable Development Internship/Project (SUS332-1)**

*As for SUS332 except:*

Credit Points: 4

MURDOCH: S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external

This unit involves internship or project work undertaken with the guidance of an academic supervisor. There are no lectures or tutorials.

Prerequisites: Completion of at least 48 points in one of the following: BA or BSc (Sustainable Development); Bachelor of Sustainability; Bachelor of Business (Sustainability); BA (International Aid and Development). Other students who can demonstrate sustainability expertise may be eligible for enrolment at the discretion of the Unit Coordinator.

Exclusions: Students who have successfully completed STP3321 Sustainable Development Internship/Project may not enrol in this unit for credit.

### **Sustainable Development Practice (SUS301)**

Credit Points: 3

Not available this year

This capstone unit provides a valuable opportunity to apply and build sustainability skills, knowledge and networks. Students are encouraged to work with government agencies, industry or civil society groups on projects relevant to sustainable development, while drawing on the support of academic supervisors. While suggestions for projects are provided, the onus is on students to organise projects that match their interests and develop professional expertise. The unit aims to build the capacities needed for a career as a sustainability practitioner.

Seminars: 1 hour per week.

Prerequisites: Nil.

### **Sustainable Management of Fish and Wildlife (BIO249)**

Credit Points: 3

MURDOCH: S1-internal

This unit introduces students to the world of managing fish and wildlife populations amidst the pressures of environmental change, increasing populations and the push for economic development. Students will develop an understanding of the importance of biological and ecosystem knowledge, and economic considerations in developing effective conservation strategies and sustainable harvest policies for a range of different species.

Lectures: 2 hours per week; computer laboratories: 12 hours per semester; biological laboratories: 6 hours per semester; film discussion: 3 hours per semester.

Prerequisites: BIO103 Introduction to Environmental Biology or BIO180 Introduction to Marine Biology.

Exclusions: Students who have successfully completed BIO205 Sustainable Management of Fish and Wildlife may not enrol in this unit for credit.

### **Sustainable Tourism (TOU201)**

Credit Points: 4

KAPLAN-SGP: TMA-internal

SGP1: TMB-internal

Sustainable tourism, which developed from the 1980s concept of sustainable development, incorporates principles which integrate economic imperatives with the maintenance of ecological processes, biological diversity and biophysical resources; equity within and between generations; and the need for compatibility with society, community and cultural values. This unit analyses the management of tourism and hospitality development and its relationship to the conservation of natural, social and cultural resources. Participation in field trips on a cost recovery basis is required.

Lectures/tutorials: up to 3 hours per week.

Occasional field trips.

Prerequisites: TOU102 Introduction to Travel and Tourism or TOU101 Introduction to Tourism Systems or enrolment in graduate studies in Tourism.

### **Sustainable Tourism (TOU221)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

Sustainable tourism, which developed from the 1980s concept of sustainable development, incorporates principles which integrate economic imperatives with the maintenance of ecological processes, biological diversity and biophysical resources; equity within and between generations; and the need for compatibility with society, community and cultural values. This unit analyses the management of tourism and hospitality development and its relationship to the conservation of natural, social and cultural resources. Participation in field trips on a cost recovery basis may be required.

Lectures/tutorials: up to 3 hours per week; occasional field trips.

Prerequisites: TOU101 Introduction to Tourism Systems or TOU102 Travel and Tourism in Society.

### **Sustainable Urban Communities (SUS300)**

Credit Points: 4

MURDOCH: S1-internal, S1-external

Over half the world's population now live in urban areas and 75 percent could be urban by 2050. This unit examines the sustainability challenges and possibilities that lie ahead as we become an increasingly urban species. The unit explores how we can create urban communities and lifestyles that enhance human dignity and equality, while also being more environmentally sustainable. The unit takes an international perspective, looking at key urban sustainability issues and inspirational practices from around the world.

Lectures: 1 x 1.5 hours per week; tutorials: 1 x 1.5 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed STP220 Cities and Sustainability or SUS300 Cities and Sustainability may not enrol in this unit for credit.

**Sustainable Urban Communities (SUS310)**

Credit Points: 3

Not available this year

Over half the world's population now live in urban areas and 75 percent could be urban by 2050. This unit examines the sustainability challenges and possibilities that lie ahead as we become an increasingly urban species. The unit explores how we can create urban communities and lifestyles that enhance human dignity and equality, while also being more environmentally sustainable. The unit takes an international perspective, looking at key urban sustainability issues and inspirational practices from around the world.

Lectures: 1 x 1.5 hours per week; tutorials: 1 x 1.5 hours per week.

Prerequisites: Nil.

Exclusions: Students who have completed STP220 Cities and Sustainability, SUS300 Cities and Sustainability or SUS300 Sustainable Urban Communities may not enrol in this unit for credit.

**Sustainable Urban Water Systems (ENG459)**

Credit Points: 3

Not available this year

**Sustainable Urban Water Systems (ENV318)**

Credit Points: 4

MURDOCH: S2-internal, S2-external

The principles, design and operation of urban water supply, rainwater, stormwater, groundwater, wastewater management systems to achieve sustainability using a total water cycle problem-solving approach and computer-aided techniques. Quantitative water balance, nutrient cycles, community education and governance arrangements become part of the integrated approach.

Lectures: 1 x 2 hours per week; workshops: 1 x 2 hours per week.

Students will undertake 3 field trips and 1 field laboratory session (solar water pumping practical).

Prerequisites: ENV210 Environmental Technology for Sustainability or by permission of the Unit Coordinator.

**Swan River (BRD211)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

The Swan River is the most widely recognised landmark in the Perth metropolitan area and affects many aspects of life in and around Perth. For Aboriginal people it has great cultural significance. Its role in supporting many activities is critically important in the lives of many of Perth's population. This unit will develop an understanding of the history and geography of the River so that its past can be revealed, its present appreciated and the requirements for its future explored.

Workshops: 1 x 2 hours per week.

One half-day field trip to the River.

Prerequisites: Nil.

**Systems Analysis and Design (ICT231)**

Credit Points: 4

DUBAI-ISC: TSD-internal

KAPLAN-SGP: TJA-internal, TSA-internal

SGP1: TJB-internal, TSB-internal

This unit introduces methods and techniques for analysing problematic organisational situations, particularly those leading to the development of an information system, and draws on both technical and organisational material to provide the knowledge and skills necessary to design and implement an operational system.

Lectures: 2 hours per week; tutorials: 2 hours per week.

Prerequisites: ICT102 Introduction to Computer Science OR ICT105 Introduction to Information Technology OR ICT108 Introduction to the Internet and Multimedia OR ICT107 Principles of Information Systems and Data Management.

**Systems Analysis and Design (ICT284)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit introduces methods and techniques for analysing problematic organisational situations, particularly those leading to the development of an information system, and draws on both technical and organisational material to provide the knowledge and skills necessary to design and implement an operational system.

Lectures: 1 x 2 hours per week; tutorials: 1 hour per week.

Prerequisites: ICT102 Introduction to Computer Science OR ICT105 Introduction to Information Technology OR ICT108 Introduction to the Internet and Multimedia OR ICT159 Foundations of Programming OR ICT158 Introduction to Information Systems.

Exclusions: Students who have successfully completed ICT231 Systems Analysis and Design may not enrol in this unit for credit.

**Systems Biology and Bioinformatics (BIO378)**

Credit Points: 3

Not available this year

Rapid developments in technology have provided the ability to generate large datasets of complex biological systems. The key to using this information to create a whole-of-organism picture of cellular processes and to answer biologically-relevant questions lies in integrating information from 'omics data-streams. This unit will consolidate knowledge of molecular biology, chemistry and biochemistry to examine in detail the tools that are used to study these systems, including the bioinformatics and functional approaches needed to analyse large data sets.

Lectures/workshops: 2 hours per week; laboratories: 5 x 3 hours; workshops 5 x 2 hours.

Prerequisites: BIO270 Biochemistry I or BIO247 Biochemistry or BMS261 Human and Comparative Biochemistry; BIO282 Molecular Biology or BIO316 Molecular Genetics; BIO263/BIO246 Microbiology I or BMS203 Comparative and Human Microbiology or BMS212 Medical Microbiology.

**Systems Pathology and Medicine (VET377)****As for VET343 except:**

Credit Points: 6

Not available this year



**Taxation (BUS303)***As for BUS313 except:*

Credit Points: 3

Not available this year

Exclusions: Students who have successfully completed BUS313  
Taxation may not enrol in this unit for credit.

**Taxation (BUS313)**

Credit Points: 4

MURDOCH: S1-internal, S1-external  
KAPLAN-SGP: TJA-internal, TSA-internal  
KDUPJ: S1U-internal  
SGP1: TJB-internal, TSB-internal

An introductory unit in income tax. It covers key principles in income tax law as they apply to all taxpaying entities. Emphasis will be placed on the distinction between capital and income and the development of concepts of income and deductions in determining a tax quantum. Students are encouraged to develop skills in statutory interpretation and case law analysis that will provide them with a base for lifelong learning in a dynamic tax environment.

Lectures: 2 hours per week; workshop: 1 hour per week.

Prerequisites: BUS160 or BUS170 Introduction to Accounting and BUS165 or BSL165 Principles of Commercial Law, and completion of at least 24 Points of Part II level units.

Exclusions: Students in Law/Commerce who enrol in this unit may not enrol in L353/LAW353 Income Taxation Principles for credit.

Trimester offerings for this unit at Singapore (SGP1) are taught in intensive mode.

**Taxation (MBS514)**

Credit Points: 4

KAPLAN-SGP: TMA-internal

The unit considers the principles of Australian income tax law as they apply to all taxpaying entities. The emphasis is on learning general tax rules and how those rules apply to broad categories of business and financial transactions, rather than on the myriad of specific provisions and exemptions. Teaching of this primary tax unit at graduate level is based on the supposition that students will approach tax law as an integrated component of a complex economic and business environment.

Prerequisites: Enrolment in a graduate-level course;  
MBS502/MBL502 Law for Business.

Exclusions: Students who have successfully completed MBS614  
Taxation may not enrol in this unit for credit.

**Taxation (MBS614)**

Credit Points: 3

MURDOCH: S2-internal

The unit considers the principles of Australian income tax law as they apply to all taxpaying entities. The emphasis is on learning general tax rules and how those rules apply to broad categories of business and financial transactions, rather than on the myriad of specific provisions and exemptions. Teaching of this primary tax unit at graduate level is based on the supposition that students will approach tax law as an integrated component of a complex economic and business environment.

Lectures/seminars/workshops: 3 hours per week.

Prerequisites: Enrolment in a graduate-level course;  
MBS502/MBL502 Law for Business.

Exclusions: Students who have successfully completed MBS514  
Taxation may not enrol in this unit for credit.

**Teaching Arts and HPE in Primary Schools (EDN227)**

Credit Points: 2

MURDOCH: SP21-internal

This unit prepares students enrolled in the Graduate Diploma in Education (Primary) for teaching in the learning areas of the Arts and Health and Physical Education. The Arts and Health and Physical Education in the primary curriculum, together with their place in society. Theory and practice in each of the discipline areas will be explored as a way of inducting students into these educational fields.

Workshops: all students are required to complete activities before the on campus intensive and attend the intensive on-campus teaching week during the Winter term. Final details of dates and times will be available on the unit information page, the School of Education web site and LMS.

Prerequisites: Enrolment in a teacher education course [Graduate Diploma in Education (Primary)]; successful completion of EDN112/EDN1121 Understanding Teachers' Work or EDU101/EDU1011 Introduction to Teaching.

Exclusions: Students who have successfully completed EDU207 Primary Curriculum IIA (Arts, Technology, Health, PE) may not enrol in this unit for credit.

All students are required to complete practical Arts and Physical Education activities. All students are required to attend the on-campus intensive from 8:30 am to 4:30 pm each day from Monday 6th to Friday 10th July 2015.

**Teaching Drama in Secondary Schools (EDN552)**

Credit Points: 3

MURDOCH: S1-internal

This unit prepares students for teaching Drama in secondary schools, introducing students to planning, teaching, learning and assessment strategies of drama and the arts. The unit explores drama as an art form: drama elements, conventions, styles, forms, technologies, skills and processes together with its historical, social and cultural contexts. It focuses on understanding drama curriculum and drama teaching in contemporary contexts and integrates theory with practical strategies and approaches for effective drama teaching and learning.

Lectures: 1 hour per teaching week; workshops/practicals: 1 x 3 hours per teaching week held in Drama Workshop; tutorials: 1 hour per teaching week.

One performance per semester (with associated rehearsals).

Prerequisites: Enrolment in the Graduate Diploma in Education (Secondary); successful completion of EDN550 Transition to Teaching OR BED150/EDN112/EDN1121 Understanding Teachers' Work OR EDU101/EDU1011 Introduction to Teaching; a degree in Drama relevant to high school Drama teaching

Exclusions: Students who have successfully completed EDU204 Drama and the Curriculum (Secondary), EDN312/EDN412 Drama and the Curriculum (Secondary) may not enrol in this unit for credit.

### Teaching English and Literacy in Primary Schools (EDN235)

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit is typically completed in the second year of a Bachelor of Education Primary course. It aims to prepare students to plan, teach and assess English in primary classrooms. A balanced perspective and familiarity of the content, structure and role of the Australian Curriculum and language modes is presented including the general capabilities and cross-curricular priorities. The trans-disciplinary nature of teaching and learning language, literacy and literature will be explored

Lectures; 1 hour per week; workshops: 2 hours per week; weekly quizzes.

Prerequisites: Successful completion of BED100 Ideas in Education, and BED150/EDN112/EDN1121 Understanding Teachers' Work, and EDN111 Language for Learning and Teaching; OR enrolment in GradDip Primary or Primary (BEd) Graduate, and successful completion of BED150/EDN112/EDN1121 Understanding Teachers' Work.

Exclusions: Students cannot undertake this unit for credit if they have successfully completed EDN223/EDN2231 Teaching English and Literacy in Primary Schools or EDU282/EDU2821 Primary Curriculum I (English).

### Teaching English in Secondary Schools (EDN553)

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit helps future teachers of Secondary English develop an understanding of theoretical concepts needed to plan, teach and assess students. English is a vehicle to empower, negotiate, inspire and encourage critical thinking, through engaging with literature in many forms. This unit draws on the Australian Curriculum and other relevant documents to identify a wide range of strategies and resources for teaching, and participants will learn how to extend students' skills and knowledge by scaffolding interesting and meaningful tasks.

Lectures/seminars: 1 x 2 hours per week; workshops: 1 x 2 hours per week.

Prerequisites: Enrolment in the Graduate Diploma in Education (Secondary); successful completion of EDN550 Transition to Teaching or BED150/EDN112/EDN1121 Understanding Teachers' Work OR EDU101/EDU1011 Introduction to Teaching; a degree in an English discipline relevant to high school English teaching.

Exclusions: Students who have successfully completed EDN413 English and the Curriculum may not enrol in this unit for credit.

### Teaching Health and Physical Education in Primary Schools (EDN248)

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit focuses on the Health and Physical Education (HPE) curriculum in primary schools. Emphasis will be on creating embodied learning experiences including the establishment of connections between the cognitive, kinaesthetic and affective dimensions of learning. The unit will explore: the rationale for inclusion of HPE in schools; health issues and the promotion of health and well-being; integration of HPE in the primary curriculum; the skills needed for confident participation in sport and recreational activities.

On-campus students: lectures: 1 x 1 hour per week; workshops: 1 x 2 hours per week.

Off-campus students are required to attend an on-campus intensive teaching week commencing Monday 5 October to Friday 9 October 2015 inclusive. Dates are subject to confirmation; any change to information on dates will be posted on School of Education website. Off-campus students are also required to complete a self-devised study program equivalent to other workshops undertaken by internal students during the semester. Details will be advised in the Unit Information and Learning Guide on LMS and on the School of Education's website.

All students will need to access LMS during this unit to access resources and the latest information regarding this unit. Students are expected to take their workshops at the campus of their unit enrolment.

Prerequisites: Enrolment in BEd (Primary), BEd (Early Childhood and Primary), BEd (Primary, Years 1 to 10 Health and Physical Education), BEd/BA (Australian Indigenous Studies), or BEd (Primary) (Graduate). Successful completion of BED100 Ideas in Education and EDN111 Language for Learning and Teaching and BED150/EDN112 Understanding Teachers' Work.

Exclusions: Students who have successfully completed EDU207 or EDN226 Primary Curriculum IIA (Arts, Health, Physical Education, and Technology and Enterprise), EDU217 Primary Curriculum IIB or EDN227 (Arts, Health and Physical Education) may not enrol in this unit for credit.

Off-campus students are required to attend an on-campus intensive teaching week commencing Monday 5 October to Friday 9 October 2015 inclusive.

### Teaching Humanities and Social Sciences in Primary Years (EDN441)

Credit Points: 3

Not available this year

This unit aims to prepare students to teach the 'Humanities and Social Sciences' component of the Curriculum, with particular application to the primary classroom. The unit promotes the use of 'inquiry' or investigative approaches to learning.

Lectures: 1 x 1 hour per week; workshops: 1 x 2 hours per week.

Prerequisites: Successful completion of BED100 Ideas in Education, and BED150/EDN112/EDN1121 Understanding Teachers' Work, and EDN111 Language for Learning and Teaching.

### Teaching Humanities and Social Sciences in Secondary Schools (EDN558)

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit encourages students to develop a critical understanding of the principles and practices of teaching and learning in the Society and Environment learning area in Western Australian secondary schools. Particular attention is given to the construction of Society and Environment curricula within the context of the Western Australian Curriculum Framework and in the Australian Curriculum. The unit explores the various ways in which student learning outcomes may be developed, monitored and assessed.

Lectures/seminars: 2 x 2 hours per week.

Prerequisites: Enrolment in the Graduate Diploma in Education (Secondary); successful completion of EDN550 Transition to Teaching OR BED150/EDN112/EDN1121 Understanding Teachers' Work OR EDU101/EDU1011 Introduction to Teaching; a degree in a discipline relevant to teaching the humanities and social sciences in high school.

Exclusions: Students who have successfully completed EDN418 Society and Environment Curriculum (Secondary) may not enrol in this unit for credit.

### Teaching Mathematics in Primary Schools (EDN333)

Credit Points: 4

MURDOCH: S1-internal, S1-external

This unit aims to assist students in acquiring knowledge and skills which will facilitate primary school children's active learning of mathematics. It focuses on understanding and knowing the mathematics that children need to learn, how they learn that mathematics and how best to teach it. The content will address key elements of the primary school curriculum: number and algebra; measurement and geometry; statistics and probability.

Lectures: 1 hour per week; workshops: 3 hours per week.

Prerequisites: Enrolment in a Teacher Education course [BEd (Primary), BEd (Primary) (Graduate), BEd (Early Childhood and Primary), BEd (Primary)/BA (AIS), or BEd (Primary, 1-10 Health and Physical Education)], and successful completion of EDU101/EDU1011 Introduction to Teaching or EDN112/EDN1121 Understanding Teachers' Work AND EDN114 Thinking Mathematically.

Exclusions: Students who have successfully completed EDU285 Primary Curriculum III (Mathematics) may not enrol in this unit for credit.

### Teaching Mathematics in Primary Schools (EDN333-1)

*As for EDN333 except:*

Credit Points: 3

MURDOCH: S1-internal, S1-external

Lectures: 1 x 1 hour; workshops: 1 x 3 hours.

Prerequisites: Enrolment in GradDipEd (Primary) plus successful completion of either EDU101/EDU1011 Introduction to Teaching or BED150/EDN112/EDN1121 Understanding Teachers' Work.

Exclusions: Enrolment in BEd (Primary).

Students enrolled in EDN3331 Teaching Mathematics in Primary Schools and EDN2231 Teaching English and Literacy in Primary Schools need to enrol in the EDN2151 Professional Experience: Primary in the same semester. The EDN2151 Professional Experience: Primary will take place in a Perth school with a Murdoch University Moderator.

### Teaching Mathematics in Primary Schools (EDN351)

*As for EDN333 except:*

Credit Points: 3

Not available this year

Prerequisites: Successful completion of BED100 Ideas in Education; BED150/EDN112/EDN1121 Understanding Teachers' Work; EDN111 Language for Learning and Teaching; EDN114 Thinking Mathematically and EDN2104 Professional Experience: English in Practice.

### Teaching Mathematics in Secondary Schools (EDN554)

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit prepares students for teaching Mathematics in secondary schools by assisting the student teacher to develop competency with the planning and implementation skills associated with the teaching of a program of secondary mathematics. It is directed towards the development of the mathematical skills and

problem-solving abilities of adolescents. The unit emphasises the development of effective teaching for outcomes as described in the Australian Curriculum: Mathematics and in the School Curriculum Standards Authority (SCSA) Senior Secondary Courses in Mathematics

Lectures/seminars: 2 x 2 hours per week.

Prerequisites: Enrolment in the Graduate Diploma in Education (Secondary); successful completion of EDN550 Transition to Teaching or BED150/EDN112/EDN1121 Understanding Teachers' Work OR EDU101/EDU1011 Introduction to Teaching; a degree in an mathematics discipline relevant to high school mathematics teaching.

Exclusions: Students who have successfully completed EDN414 Mathematics and the Curriculum (Secondary) may not enrol in this unit for credit.

### Teaching Religion in Schools (THE246)

Credit Points: 4

Not available this year

This unit has been designed to meet the needs of people who expect to be teaching religious studies in schools. In the first instance, it has been tailored to the requirements of persons who, whilst qualified in other respects under the legislation referring to Special Religious Instruction, are not teacher-trained. Methods of classroom control, teaching and assessment are linked with monitored teaching experiences in school placements arranged during the unit.

Lectures: 2 hours per week plus 20 hours field placement.

Prerequisites: Enrolment in BA (Theology) (B1113), BA (Theology) (Honours) (H1131) and B Theology (B1115).

### Teaching Religion in Schools (THE511)

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit has been designed to meet the needs of people who expect to be teaching religious studies in schools. In the first instance, it has been tailored to the requirements of persons who, whilst qualified in other respects under the legislation referring to Special Religious Instruction, are not teacher-trained. Methods of classroom control, teaching and assessment are linked with monitored teaching experiences in school placements arranged during the unit.

Lectures/tutorials: 1 x 2 hours per week.

Prerequisites: Nil.

### Teaching Science in Primary Schools (EDN442)

Credit Points: 3

Not available this year

This unit aims to prepare students for facilitating effective learning in 'Science', with particular application to the primary classroom. The unit promotes the use of 'inquiry' or an investigative approach to learning.

Prerequisites: Successful completion of BED100 Ideas in Education, and BED150/EDN112/EDN1121 Understanding Teachers' Work, and EDN111 Language for Learning and Teaching.

**Teaching Science in Secondary Schools (EDN557)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit prepares students for teaching science in secondary schools. It introduces students to planning, teaching, learning and assessment strategies in science. The focus is on working scientifically in secondary science classrooms, and building knowledge of curriculum developments in secondary science and assessing the suitability of these developments for local schools. The unit also explores strategies for promoting student interest in science. Students are expected to teach physics, chemistry, biology and Earth and environmental sciences in Years 7 to 10.

Lectures/seminars: 2 x 2 hours per week.

Prerequisites: Enrolment in the Graduate Diploma in Education (Secondary); successful completion of EDN550 Transition to Teaching OR BED150/EDN112/EDN1121 Understanding Teachers' Work OR EDU101/EDU1011 Introduction to Teaching; a degree in a discipline relevant to high school science teaching.

Exclusions: Students who have successfully completed EDN417 Science and the Curriculum (Secondary) may not enrol in this unit for credit.

**Teaching Second/Foreign Languages in Secondary Schools (EDN556)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

The aim of this unit is to provide intending teachers of a second or foreign language in secondary schools with necessary skills in the areas of curriculum design and implementation. The unit comprises the general study of language and the curriculum, together with providing some opportunity for working with specific language curricula. It examines language teaching practice, and gives students the opportunity to explore a variety of classroom techniques and approaches.

Lectures/seminars: 2 x 2 hours per week.

Prerequisites: Enrolment in the Master of Education OR Master of Asian Studies OR Graduate Diploma in Education (Secondary). For students in the Graduate Diploma of Education (Secondary) successful completion of EDN550 Transition to Teaching or BED150/EDN112/EDN1121 Understanding Teachers' Work OR EDU101/EDU1011 Introduction to Teaching AND a degree in a discipline relevant to high school language teaching.

Exclusions: Students who have successfully completed EDN516 Second/Foreign Languages and the Curriculum may not enrol in this unit for credit.

**Teaching The Arts in Primary Schools (EDN236)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit prepares students for teaching and learning the Arts in primary schools. (including Early Childhood Education). Teaching and learning in Dance, Drama, Media Arts, Music and Visual Arts (the arts subjects in the Australian Curriculum: The Arts); integrating the Arts in the curriculum.

Internal students: Lectures/workshops: 4 hours per week in Weeks 1-10 and Week 14 of Semester 2.

External students complete this unit via online learning, Weeks 1-10 and 14, and in addition are required to attend an on-campus intensive teaching week in Week 11 of Semester 2 (Dates subject to confirmation; information on dates posted on the School of Education website.) During the semester, external students are required to complete a study program equivalent to the workshops

undertaken by internal students.

Prerequisites: Successful completion of EDN111 Language for Learning and Teaching or BED150/ EDN112 Understanding Teachers' Work or EDU101/EDU1011 Introduction to Teaching or enrolment in a graduate-entry Bachelor of Education (Primary). Co-requisite (for all students): Digital completion of assignments as stipulated in the Unit Information and Learning Guide.

Exclusions: Students who have successfully completed EDU207 Primary Curriculum IIA (Arts, Health, Physical Education, and Technology and Enterprise), EDU217 Primary Curriculum IIB (Arts, Health and Physical Education), EDN225, EDN2251 OR EDN227 may not enrol in this unit for credit.

This unit is studied with EDN248 Teaching Health and Physical Education in Primary Schools.

Both EDN236 and EDN248 are studied with EDN2104 Professional Experience: BEd Primary.

**Teaching, Learning and Working in Culturally Diverse Environments (EDU616)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit examines challenges and potential of cultural diversity in teaching and learning from school to university, including international, transnational education, study of languages, vocational and professional workplace learning. A multidisciplinary approach is adopted with concepts drawn from social, cross-cultural and cultural psychology; sociology; cultural studies; intercultural relations and communication; and intercultural learning. Participants will gain a solid, research-based understanding of key issues and will be well prepared to promote productive cultural diversity and positive intercultural transformation.

Seminars and workshops delivered after 4.30pm: 8 meetings of 3 hours each spaced through the semester. Students will complete research assignments independently, in consultation with teaching staff.

Prerequisites: Enrolment in a graduate-level qualification or permission of the Unit Coordinator.

**Technique I (CHI338)**

Credit Points: 3

Not available this year

**Technique II (CHI339)**

Credit Points: 3

Not available this year

**Technology and Accounting Processes (BUS217)**

Credit Points: 4

KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal  
SGP1: TMB-internal

This unit provides the fundamental concepts and technical skills that students need for future units in accounting. By the end of the unit, students will be able to record accounting transactions and produce relevant financial statements in accordance with Australian Accounting Standards. Topics include the double entry recording system, financial statements, valuation and measurement of assets, liability and equity. Students will also utilise QuickBooks software to facilitate their understanding of the computerised accounting process.

Lectures: 1 hour per week; workshops: 2 hours per week.

Prerequisites: BUS160 Introduction to Accounting.

Exclusions: Students who have successfully completed C168 Principles of Accounting and/or C255 Financial Accounting 1 may not enrol in this unit for credit.

Trimester offerings for this unit at Singapore (SGP1) are taught in intensive mode.

### **Technology and Accounting Processes (BUS285)**

*As for BUS217 except:*

Credit Points: 3

MURDOCH: S1-internal, S1-external

Prerequisites: BUS170 Foundations of Accounting or BUS160 Introduction to Accounting.

Exclusions: Students who have successfully completed C168 Principles of Accounting, C255 Financial Accounting 1 and/or BUS217 Technology and Accounting Processes may not enrol in this unit for credit.

### **Technology and the Law (BSL211)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

A practical primer on the internet, the Electronic Transactions Act and the Privacy Act, as well as observations on social media.

Lectures: 2 hours; tutorials: 1 hour

Prerequisites: Successful completion of BSL165 Foundations of Business Law / BUS165 Principles of Commercial Law.

Exclusions: Students who have successfully completed BUS216 Technology and the Law may not enrol in this unit for credit.

### **Telling True Stories (EGL233)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit introduces students to the genre of literary journalism, which combines creative writing techniques with journalism skills. Students read a selection of texts that have informed the field but will focus on contemporary writing. The unit assists students developing the skills to produce a work of literary journalism. Students will work through the various stages, practising creative writing techniques, conducting interviews, research, fieldwork, drafting, editing, fact checking, as well as debating ethics in order to produce their own article.

Seminars/workshops: 1 x 2.5 hours.

Prerequisites: Nil.

Exclusions: Students who have successfully completed EGL234 Telling True Stories cannot enrol in this unit for credit.

### **Terrorism in a Globalised World (POL234)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

Since the terrorist attacks of 11 September 2001 the spectre of terrorism and resultant 'War on Terror' have come to dominate and in many respects reshape national and international politics. The aim of this unit is to provide a critical understanding of terrorism and counter-terrorism politics and policy within the context of a globalised world. Drawing upon both contemporary and historical case studies, the unit considers the complex interrelationships between forces of globalisation, political interest, ideology and violence.

Lectures: 1 x 1.5 hours per week; tutorials: 1 x 1 hour per week

Prerequisites: Nil.

Exclusions: Students who have completed POL293 Terrorism in a Globalised World may not enrol in this unit for credit.

### **Tertiary and Adult Education Policy (EDN544)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit examines policy issues related to tertiary and adult education at both the micro and macro levels. We will look at issues of tertiary and adult education as they relate to individuals, universities and other adult and tertiary education settings, the larger national society, and the global context. This unit is inter-disciplinary, using philosophical, psychological, economic, political and sociological perspectives to critically examine tertiary and adult education.

Seminars: 3 hours per week.

Prerequisites: Enrolment in a Graduate qualification or permission of the Unit Coordinator.

Exclusions: Students who have successfully completed E407 Perspectives and Issues in Adult Education may not enrol in this unit for credit.

### **The European Union in the New Millennium: Challenges of Integration (POL225)**

Credit Points: 4

Not available this year

European integration has been hailed as the most ambitious and successful example of peaceful international cooperation in world history. This unit explores the origins and evolution of the European Union: its institutions; the key challenges facing the EU (the Eurozone crisis, integration and enlargement, sovereignty, foreign and defence policy, citizen and diversity); and in particular the EU's future in the 21st century.

Lectures: 2 hours per week; tutorials 1 hour per week.

Prerequisites: Nil.

This unit is offered cooperatively with LaTrobe University and includes sizeable online and independent learning components.

### **The Integrated Curriculum in Primary Schools (HASS/HPE/Arts) (EDN613)**

Credit Points: 3

Not available this year

This unit provides opportunities for students to develop a curriculum that connects with the lives of children and their communities. The unit examines ways of generating knowledge with children drawing on a range of resources from the curriculum fields of Humanities and Social Sciences, the Arts, and Health and Physical Education. Students will cooperatively plan, implement and assess an integrated unit of work using performance-based strategies.

Lectures/workshops: 3 hours per week.

School-based learning experience.

Prerequisites: Enrolment in the Master of Teaching (Primary) and successful completion of all 500 level units, co-enrolment t in EDN611 Professional Internship A: Differentiation within Diverse Contexts, EDN612 Understanding Diversity and Inclusion in Educational Settings and EDN614 Science and the Primary Curriculum.



**Theories of Development (SWM511)**

Credit Points: 3

MURDOCH: S1-internal

The many competing visions of development are a challenge to professionals working in this area. This unit offers a high-level overview of the key theoretical debates that guide these visions, across different institutional and national settings. Students will be asked to consider fundamental questions about aid and development and to apply what they learn to both practical and theoretical written tasks.

Seminars and workshops are delivered in intensive teaching mode (24 hours contact time), which may include evenings and weekends. Students will then complete research assignments independently, in consultation with teaching staff.

Prerequisites: Enrolment in Master of Development Studies, Graduate Certificate of Development Studies, or Master of International Affairs.

Exclusions: Students who have successfully completed SSH511 Overseas Aid and Development or STP604 Overseas Aid and International Development may not enrol in this unit for credit.

**Theories of Mind (PHL209)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

Multiple personalities, schizophrenia, comatose states, simian language, cloned brains, zombies and avatars are all headline topics in the huge domain of consciousness studies. This unit will address contemporary theories and case studies about what makes a mind a special thing: do some animals have minds, can memories be downloaded, can an android have dreams or emotions, is there a solid argument for the human soul's immortality, is the Matrix world possible, does the United States of Tara make sense?

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Internal students complete two 45-minute quizzes, one in mid-term, one at end of term; external students complete a final exam.

Prerequisites: Nil.

Exclusions: Students who have successfully completed PHL230 Theories of the Mind may not enrol in this unit for credit.

**Thermodynamics for Physics and Nanotechnology (PEC302)**

Credit Points: 4

MURDOCH: S2-internal, S2-external

This unit looks at thermal energy transfer from both macroscopic and microscopic perspectives based on the fundamental principles of thermodynamics and statistical mechanics. The basic laws of thermodynamics and statistical mechanics are used to analyse the performance and efficiency of various thermodynamic processes including solar energy conversion and global warming. Another important aspect is nanothermodynamics, the thermodynamics of phenomena and processes at the nanometric scale.

Lectures/workshops: 4 hours per week; tutorials: 1 hour per week.

Prerequisites: MAS161 Calculus and Matrix Algebra or MAS182 Applied Mathematics or MAS183 Statistical Analysis and Databases; PEC/PEN152 Principles of Physics or PEC120 General Physics; CHE140/PEC140 Introduction to Chemistry or PEC114 Chemistry for Biological Sciences or PEC115 Chemistry for Environmental Sciences or PEC116 Chemistry for Physical Sciences or CHE/PEC144 Chemical Principles.

Students enrolled in the Physics and Nanotechnology course are strongly encouraged to take this unit.

**Thermodynamics for Physics and Nanotechnology (PEN202)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit looks at thermal energy transfer from both macroscopic and microscopic perspectives based on the fundamental principles and laws of thermodynamics and statistical mechanics. These laws are used to analyse the performance and efficiency of various thermodynamic processes including engines, solar energy conversion and global warming. Another important aspect is nanothermodynamics, the thermodynamics of phenomena and processes at the nanometre scale.

Lectures: 1 x 2 hours per week; workshops/tutorials: 1 x 2 hours per week.

Prerequisites: PEN152/PEC152 Principles of Physics and MAS161 Calculus and Matrix Algebra.

Exclusions: Students who have successfully completed PEC302 Thermodynamics for Physics and Nanotechnology may not enrol in this unit for credit.

**Thinking Mathematically (EDN114)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit is designed for future teachers of K-10 mathematics. Both the content: number and algebra; geometry and measurement; probability and statistics; and the characteristic processes of problem solving, reasoning and numeracy are addressed. Students in the 200-level version complete an additional project related to teaching secondary mathematics. The unit has extensive online resources.

Lectures: 1 hour per week; workshops: 2 hours per week.

Prerequisites: Enrolment in an initial teacher education course.

Exclusions: Students who have successfully completed EDU162 Cultural Mathematics may not enrol in this unit for credit.

Students who have not successfully completed mathematics to at least Stage 2 Year 12 level are strongly encouraged to complete EDN110 Mathematics for Teaching before enrolling in EDN114. If students fail EDN110 they cannot enrol in EDN114 Thinking Mathematically. If students fail EDN114 and have not already completed EDN110, then they must complete EDN110 before enrolling again in EDN114.

**Thinking Mathematically for Teachers (EDN214)**

Credit Points: 4

MURDOCH: S2-external

This unit is designed for future teachers of 7-10 mathematics. We explore the nature of mathematics in our everyday world and its origins in our past to understand its prime place in school curricula. Both the content: number and algebra, geometry and measurement, probability and statistics, and the characteristic processes of problem solving, reasoning and numeracy are addressed. Students in the 200-level version complete an additional project related to teaching secondary mathematics. The unit has extensive online resources.

Lectures: 1 hour per week; Workshops: 2 hours per week.

Prerequisites: Co-requisite (for all students): Internet access.

**Thinking Scientifically (EDN115)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

For students intending to be primary or lower secondary school science teachers, or for those who wish to strengthen their knowledge and skills in science and scientific reasoning. Students study key unifying themes of science including: working scientifically, chemistry, earth science and, physics. Emphasis will be on understanding the conceptual bases of science. The unit will concentrate on developing skills in investigating, communicating and evaluating the relevance and importance of scientific literacy.

Lectures: 2 hours per week; tutorials/laboratories: 2 hours per week.

Prerequisites: Nil.

Exclusions: This unit is not available to students enrolled in a Science major. Students who have successfully completed EDU113 Introduction to Science may not enrol in this unit for credit.

**Thinking Theology (THE505)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit introduces students to the sources, methods and core questions of systematic theology. In this unit, the nature and content of fundamental Christian beliefs will be explored, as well as why and how these beliefs arose. Students will be challenged and encouraged to think theologically themselves.

Lecture/seminar: 2 hours per week.

Prerequisites: Enrolment in graduate-level study.

**Time Series and Multivariate Analysis (MAS352)**

Credit Points: 3

Not available this year

This unit introduces two related topics -- methods for the analysis of measurements made sequentially over time and of data which are more generally multivariate and correlated. Time series models are developed and inferential procedures (estimation, testing, forecasting) discussed. This section also includes frequency domain methods for the extraction of signals from noisy data. Multivariate techniques include methods of summarising high-dimensional data and assessment of characteristics which best distinguish groups of cases.

Lectures: 3 x 1 hour per week; laboratories/tutorials: 1 x 1 hour per week.

Prerequisites: MAS222 Probability and Statistical Inference OR MAS223 Applied Statistics and Process Management OR MAS224 Biostatistical Methods. In addition students must have a calculus background equivalent to at least either MAS161 Calculus and Matrix Algebra OR MAS221 Mathematical Modelling.

**Time Series and Multivariate Analysis (MAS368)**

Credit Points: 4

MURDOCH: S1-internal, S1-external

This unit introduces two related topics: methods for the analysis of measurements made sequentially over time and of data which are more generally multivariate and correlated. Time series models are developed and inferential procedures (estimation, testing, forecasting) discussed. This section also includes frequency domain methods for the extraction of signals from noisy data. Multivariate techniques include methods of summarising high-dimensional data and assessment of characteristics which best distinguish groups of cases.

Lectures/tutorials: 4 x 1 hour per week.

Prerequisites: MAS278 Probability and Statistical Inference OR MAS284 Applied Statistics and Process Management OR MAS230 Biostatistical Methods. In addition students must have a calculus background equivalent to at least either MAS161 Calculus and Matrix Algebra OR MAS208 Mathematical Modelling.

Exclusions: Students may not enrol in this unit and either of MAS180 Introduction to Statistics or MAS183 Statistical Data Analysis concurrently.

**Torts (LLB152)**

Credit Points: 3

MURDOCH: S2-internal

This unit aims to acquaint students with the law concerning civil liability to compensate for harm caused by wrongful conduct (the tort). The emphasis is on negligent conduct, including words and deeds, causing damage to the person or property or economic loss. This unit will consider the Civil Liability Act 2002 (WA) and its interpretation. Other forms of liability tort including liability for intentional torts are also examined.

Lectures: 3 hours per week; tutorials/workshops: up to 10 hours per semester.

Prerequisites: Enrolment in the LLB or Juris Doctor; Students must have successfully completed LAW150/BJU100 Australian Legal System, OR be co-enrolled in BJU100 Australian Legal System.

Exclusions: Students who have successfully completed L165 Torts and the Australian Legal System or LAW152 Torts may not enrol in this unit for credit.

**Tourism and Hospitality Law (BSL204)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

Management professionals operating in the industry require knowledge of relevant common law and legislation likely to have an impact. This unit focuses on contracts for passenger transport and traveller accommodation, tort law relevant for tourism, consumer protection for travellers, carrier liability laws, travel agency law, and the law relating to food, beverage and other tourist activities and attractions.

10 hours per week

Prerequisites: Nil.

Exclusions: Students who have completed BUS207 Tourism and Hospitality Law may not enrol in this unit for credit.

**Tourism and Hospitality Law (BUS207)**

Credit Points: 4

KAPLAN-SGP: TJA-internal, TSA-internal  
SGP1: TJB-internal, TSB-internal

This unit is about law specifically relevant to the tourism and hospitality industries in Australia. Common law and legislation as a focus of study includes contracts for passenger transport and traveller accommodation, tort law relevant for tourist activities and attractions, consumer protection for travellers, carrier liability laws, travel agency law, and the law relating to food and beverage. Liability issues are a particular area of interest.

Lectures: 2 hour per week; tutorials: 1 hours per week.

Prerequisites: BUS165 Principles of Commercial Law or BSL165 Foundations of Business

Exclusions: Students who have completed BSL204 Tourism and Hospitality Law may not enrol in this unit for credit.

**Tourism Project (TOU302)**

Credit Points: 4

MURDOCH: S2-internal, S2-external

Tourism, one of the largest industries globally, has been used as a community development tool and a focus for international aid. Tourism is dependent upon global policies and politics, it is highly responsive to natural, economic and political occurrences focussing on authentic, historical and cultural situations and events. Students undertake independent research on a Tourism topic of their own with the approval of the Unit Coordinator. Students may undertake this unit in the context of supervised work experience.

Lectures/seminar: up to 3 hours per week.

Prerequisites: Completion of at least 24 points at Part II.

**Tourism Project (TOU322)***As for TOU302 except:*

Credit Points: 3

Not available this year

**Transforming Business (BBS150)**

Credit Points: 3

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

The relationship between business and the wider community continues to change in new and significant ways. Today, the global economy is an intricate web of social, political and economic entities. This unit allows students to understand the purpose and nature of business activity and the factors that influence and constrain business behaviour and decisions, as well as the commonalities and differences across various regions and countries.

Lectures: 2 hours per week in weeks 1, 7, and 14; tutorials: 1 x 2 hours per week.

Prerequisites: Nil.

**Transition to Clinical Practice (VET421)**

Credit Points: 3

Not available this year

**Transition to Nursing Studies (BNR100)**

Credit Points: 3

MURDOCH: S2N-internal

PEEL: S1N-internal, S2N-internal

This unit will assist your transition to university life by helping you build the skill set necessary for lifelong learning and success in your nursing studies. The emphasis will be on developing literacy, numeracy, communication and information technology skills, which will prepare you to attain and present knowledge and information in a variety of modes for a range of education, health and nursing practice related purposes. These outcomes will be achieved by aligning content with your nursing practice units.

Lectures: 1 hour per week; tutorials: 2 hours per week.

Prerequisites: Enrolment in the Bachelor of Nursing.

Exclusions: Students who have successfully completed a Foundation Unit (units beginning with FDN) may not enrol in this unit for credit.

**Transition to Teaching (EDN550)**

Credit Points: 3

MURDOCH: UA6-internal

This unit enables participants to understand and prepare for the profession of teaching. By critically examining the self as a learner/teacher, the unit enables students to understand their future careers as educators engaging with the diverse roles and responsibilities of the teacher. There is a focus on understanding the diversity of students in Australian classrooms, and on developing a critical awareness of the functions of schooling in Australia. The unit includes professional placements in primary and secondary schools.

This is a five-week intensive program, with two weeks on-campus followed by two weeks of professional experience and a final week's study break ending with submission of the final assignment. On-campus activities are a combination of lectures and small group workshops.

Two weeks full-time professional placement in a secondary school setting.

Prerequisites: Enrolment in the Graduate Diploma in Education (Secondary).

Exclusions: Successful completion of EDN112/EDN1121/BED150 Understanding Teachers' Work OR EDN5501 Transition to Teaching.

**Transition to Teaching (EDN5501)***As for EDN550 except:*

Credit Points: 3

MURDOCH: S1-internal, S1-external

Advanced seminars: 9 hours over the semester.

Ten days of professional placement over the semester.

Prerequisites: Enrolment in the Master of Teaching (Primary)

Exclusions: Successful completion of EDN112/EDN1121/BED150 Understanding Teachers' Work OR EDN550 Transition to Teaching.

**Transition to Veterinary Studies 1 (EQU021)**

MURDOCH: S1-internal

This unit incorporates general study skills with supplementary teaching in the Foundation units and MAS183 Statistical Data Analysis and Databases.

Lectures/seminars/tutorials: 4 hours per week.

Prerequisites: This unit is restricted to Aboriginal and Torres Strait Islander students entering Veterinary or Biomedical Science through the Waardong program.

**Transition to Veterinary Studies 2 (EQU022)**

MURDOCH: S2-internal

This unit incorporates general study skills development with supplementary teaching in ANS106 Human and Animal Bioethics and electives.

Lectures/seminars/tutorials: 4 hours per week.

Prerequisites: This unit is restricted to Aboriginal and Torres Strait Islander students entering Veterinary Science through the Waardong program.



**Transition to Veterinary Studies 3 (EQU023)**

MURDOCH: S1-internal

This unit incorporates general study skills development with supplementary teaching in ANS102 Introduction to the Animal Body and electives.

Lectures/seminars/tutorials: 4 hours per week.

Prerequisites: This unit is restricted to Aboriginal and Torres Strait Islander students entering Veterinary or Biomedical Science through the Waardong program.

**Transition to Veterinary Studies 4 (EQU024)**

MURDOCH: S2-internal

This unit incorporates study skills development with supplementary teaching in BIO152 Cell Biology and BMS107 Principles of Vertebrate Physiology.

Lectures/seminars/tutorials: 4 hours per week.

Prerequisites: This unit is restricted to Aboriginal and Torres Strait Islander students entering Veterinary or Biomedical Science through the Waardong program.

**Transitioning into Engineering (BEN100)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal

Skills learnt include critical, logical and creative thinking, written and oral communication, computer programming and problem solving. Students will learn structured essay writing to show evidence of arguments, academic integrity; report writing for experiment design and documentation of results; graphical and CAD drawing for visualisation of problems, evidence and solutions; and reflective writing for self-development. Numeracy skills will highlight the importance of mathematics and statistics to engineering research and practice.

Lectures: 1 x 2 hours per week; workshops: 1 x 2 hours per week; laboratories: 1 x 2 hours per week.

Prerequisites: Enrolment in a Bachelor of Engineering or Bachelor of Engineering Honours.

Exclusions: Students who have successfully completed a Foundation Unit (units beginning with FDN) may not enrol in this unit for credit.

**Transitions to Post Carbon Society (BRD206)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit presents a range of discipline perspectives on how cities and regions may function after the Age of Oil. How will different parts of the world look without dependency on fossil fuels as the primary energy source? Post carbon societies will be varied and disciplinary perspectives blurred. Students will engage with the political economy of cultural and institutional challenges of transition, use creative problem-solving techniques to develop scenarios for different societies and compare different technologies in various industry sectors.

Lectures: 1 hour per week; workshops: 2 hours per week.

One site visit off-campus by car pooling or public transport to a town hall and community project.

Prerequisites: 100-level Breadth Unit.

**Transmission and Distribution System Design and Planning (ENG556)**

Credit Points: 3

Not available this year

The unit discusses techniques for the effective design and planning of both the transmission and distribution networks from the technical and economic point of view, including issues of reliability and stability.

Meetings/laboratories: by arrangement with the Unit Coordinator.

Prerequisites: Enrolment in ME.

**Transnational Crime (CRM219)**

Credit Points: 3

MURDOCH: S2-internal

This unit takes a primarily theoretical approach, and will introduce students to the Criminal Law in Western Australia. Students will study legislation, predominantly the Western Australian Criminal Code, and become familiar with the laws of criminal responsibility. In particular, students will learn the elements of fatal offences, nonfatal offences and offences against property, as well as the defences which may be raised. Throughout the unit, policy issues which underlie the criminal law will be raised and discussed.

Lectures: 2 hours per week.

Prerequisites: Nil.

**Trauma Counselling (CSL674)**

Credit Points: 3

MURDOCH: S1-internal

In this unit students can expect to learn theories, as well as models of best practice, in the field of circumscribed and complex trauma. The unit's broad based learning framework introduces neuro-biological models, up to date brain research and corresponding advances in working with trauma. It also illuminates the interaction between trauma and complicated grief. Attention will be given to social context and human diversity.

Lectures: 3 hours per week.

Prerequisites: Enrolment in Master of Counselling. Other students wanting to study this unit can be interviewed by the Unit Coordinator for consideration by the Counselling Academic Chair

Exclusions: Students who have successfully completed PSY674 Counselling; Trauma Counselling may not enrol in this unit for credit.

**Travel and Tourism in Society (TOU102)**

Credit Points: 3

MURDOCH: S2-internal, S2-external  
KAPLAN-SGP: TMA-internal

In this unit students will 'experience' the world of travel and tourism through the writings of travellers, through the work of social researchers and through their own travel experiences. The main concern in this unit will be the human dimension of tourism, the motivation to travel, the experience of travel and impacts on host communities. At least one field trip will be an important activity during the semester.

Lectures/tutorials: up to 3 hours per week.

Field trip.

Prerequisites: Nil.

Exclusions: Students who have successfully completed TOU102

Introduction to Travel and Tourism may not enrol in this unit for credit.

### Treasury Management (BUS244)

Credit Points: 4

DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal  
SGP1: TJB-internal, TSB-internal

The unit provides an introduction to fundamental concepts associated with the management of risk within an institution. Broadly, it will cover the basic financial engineering tools, the yield curve and the pricing of fixed income instruments. Specific instruments including futures, Forward Rate Agreements (FRAs), options and swaps will be discussed in detail. The unit will also consider the trading environment, focusing on market structures and function.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: BUS140 Principles of Finance and Banking or BUS130 Foundational Mathematics for Business.

### Treasury Management (BUS288)

*As for BUS244 except:*

Credit Points: 3

MURDOCH: S1-internal, S1-external

Lectures: 2 hours per week; tutorials: 1 hour per week

Prerequisites: BUS130 Foundational Mathematics for Business/  
BUS140 Principles of Finance and Banking

Exclusions: Students who have completed BUS244 Treasury Management may not enrol in this unit for credit.

### Trial Advocacy (LAW328)

Credit Points: 4

MURDOCH: SP23-internal (quota of 60 places)

The purpose of the unit is to give students an understanding of the nature of the trial process and to learn basic techniques of trial advocacy. These include identifying the case theory, opening and closing addresses, submissions on law and fact, proofing witnesses, examination, cross-examination and re-examination of witnesses, tender and proof of physical and documentary evidence

Taught intensively over 1 week: refer to timetable for details: The unit requires three rooms, being the Freehills lecture theatre and two break out rooms, for the full day of each of the five days over which it runs.

Prerequisites: LAW152 Torts, LAW130 Criminal Law and Procedure, LAW260 Contract, LAW252 Evidence.

The week over which this unit runs will not be announced until arrangements have been finalised with the various instructors

A result of Ungraded Pass or Fail is awarded for this unit.

This unit is subject to quota. Quota is due to interactive teaching methods. Preference will be given to students in Law in their final year.

### Trial Advocacy (LLB328)

*As for LAW328 except:*

Credit Points: 3

Not available this year

Prerequisites: LAW152 Torts, LAW130 Criminal Law and Procedure, LAW260 Contract, LAW252 Evidence.

Exclusions: Students who have completed LAW328 Trial Advocacy may not enrol in this unit for credit.

This unit is not subject to quota.

### Triune God (THE429)

Credit Points: 4

MURDOCH: S2-external

This unit explores the Christian concept of one God existing in Trinity of Persons. It begins with a discussion of the development of modern atheism. Against this background it will develop an understanding of God which overcomes legitimate criticisms of common images. This understanding needs to be consistently Trinitarian.

Prerequisites: Enrolment in BA (Theology) (B1113), BA (Theology) (Honours) (H1131) or BTheology (B1115).

Exclusions: Students who have successfully completed S429 Triune God may not enrol in this unit for credit.

### Triune God (THE619)

Credit Points: 3

MURDOCH: S2-internal, S2-external

In this unit we will investigate the Christian understanding of God as triune within the context of the contemporary critique of religion. We will explore the classical themes and questions of the Christian doctrine of God, as well as contemporary approaches and challenges.

Seminars: 2 hours per week

Prerequisites: THE505 Thinking Theology and THE510 Emerging Christian Theology -The Creeds (100-500CE)

Exclusions: Students who have successfully completed THE429 Triune God cannot enrol in this unit.

### Tropical Marine Biology (BIO383)

Credit Points: 4

MURDOCH: W-internal (quota of 40 places)

Ningaloo Reef is Australia's longest fringing coral reef and one of the world's largest. This broad-ranging advanced marine biology unit provides an opportunity to study tropical marine biology and ecology in a coral reef setting. It provides an introduction to Western Australian biogeography and habitats, covering advanced topics in biology, physiology and ecology of marine plants and animals. Human impacts and conservation of tropical marine environments are addressed. The field camp provides training and experience in field techniques.

Lectures: 15 lectures; laboratories: 8 hours in four classes; tutorials: 1 x 2 hours. Lectures and tutorial classes will normally be held at Murdoch campus over a five-day period, although some may be held during the field camp.

Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

A 12-day field camp will be run at the Coral Bay Research Station on the Ningaloo Reef, followed by the on-campus component

which includes lectures and a tutorial.

Prerequisites: BIO261/BIO244 Animal Diversity OR BIO265/BIO245 Plant Diversity OR BIO287 Plant Diversity (Marine Science) OR ENV268/ENV241 Ecology OR permission of the Unit Coordinator.

This unit will have additional costs for the field trip component. Additional costs include but are not limited to travel, accommodation, meals, facilities hire, etc.

This unit is subject to quota. Quota is due to limited transport and accommodation. In addition to quota, a minimum of 12 enrolments are required for this unit to proceed. Preference will be given to students enrolled in the Bachelor of Marine Science.

### **Tropical Marine Biology (BIO393)**

**As for BIO383 except:**

Credit Points: 3

Not available this year

Note that this unit is taught intensively over 3.5 weeks. Lectures: 12 lectures; field camp: 10 days. Lectures will normally be held at Murdoch campus over a five-day period, although some may be held during the field camp. A 10-day field camp will be run at the Coral Bay Research Station on the Ningaloo Reef, followed by the on-campus component which includes lectures and a tutorial, as well as supported report-writing.

Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

One 10-day field trip to the Coral Bay Research Station on the Ningaloo Reef, which provides an immersive field research experience in a tropical marine environment. During the field camp laboratory sessions will provide training in algal and coral identification and survey techniques. Assessment of this component is group reports and presentations of the field projects.

Prerequisites: BIO261/BIO244 Animal Diversity OR BIO265/BIO245 Plant Diversity OR BIO287 Plant Diversity (Marine Science) OR ENV268/ENV241 Ecology OR permission of the Unit Coordinator.

Exclusions: Students who have successfully completed BIO383 Tropical Marine Biology may not enrol in this unit for credit.

Winter term unit for approximately 3.5 weeks with a 10-day field trip and the remainder on campus. This unit will have additional costs for the field trip component. Additional costs include but are not limited to travel, accommodation, meals, facilities hire, etc.

This unit is not subject to quota.

### **Trusts (LLB353)**

Credit Points: 3

Not available this year

This unit will introduce students to the equitable jurisdiction: its origin, purpose and operation. Students will learn about: the judicature system, equitable maxims, some of the most important doctrines (including equitable estoppel, undue influence, unconscionable transaction, fiduciary obligations and breach of confidence), selected equitable proprietary interests and equitable remedies (including specific performance, injunctions, declarations, equitable compensation and damages in equity). This unit focuses on the role of equity and equitable doctrines in the law of obligations and property law.

Lectures: 24 hours per semester; tutorials/workshops: 5 hours per semester.

Prerequisites: LEG120/LAW120 Research and Writing, LEG150/LAW150 Australian Legal System, LAW152 Torts, LAW130 Criminal Law and Procedure, and LAW260 Contract; PLUS

concurrent enrolment with LLB351 Equity OR successful completion of LLB351 Equity.

Exclusions: Students may not enrol in this unit if they have successfully completed LAW351 Equity & Trust.

### **Turning Points in Church History (THE509)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit provides an introduction to the history of Christianity by focusing on significant developments in global Christianity between the first and the twentieth centuries. Major developments in the shape of the Church, its relations with the state and wider society, divisions within Christianity, and important spiritual movements will be among some of the topics covered by the unit. Students will do some work with primary sources and develop some knowledge of important scholarly interpretations of the Christian past.

Three day-long intensives of six hours, plus six hours of online contact (discussions/tutorials/lectures). Please check the timetable for the scheduling of the intensives.

Prerequisites: Enrolment in graduate level study.

### **Turning Points in Literature (EGL121)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

The unit introduces a wide and challenging range of literary texts. Designed to provide an essential foundation for further literary studies, the unit encourages students to explore different ways of reading and interpreting genres: narrative fiction, poetry and drama. This unit should also have wide appeal to enterprising students from other majors who are interested in reflecting on the role and value of literature in society.

Lectures: 1 hour per week; tutorials: up to 1.5 hours per week.

Prerequisites: Nil.

### **Understanding Diversity and Inclusion in Educational Settings (EDN612)**

Credit Points: 3

Not available this year

Teachers have a responsibility to understand diversity and teach in ways that are inclusive of all students, regardless of cultural background, social class and poverty, gender and sexuality, or dis/ability. Within this context an 'inclusive curriculum' must address issues of discrimination and powerlessness, prejudice and stereotyping, as well as power and privilege. It is on that basis that the unit is organised into three sections: understanding diversity; researching aspects of diversity; teaching in diverse contexts.

Lectures/seminars: 3 hours per week.

Prerequisites: Enrolment in the Master of Teaching (Primary) and successful completion of all 500 level units, co-enrolment in EDN611 Professional Internship A: Differentiation within Diverse Contexts, EDN613 The Integrated curriculum in Primary Schools and EDN614 Science and the Primary Curriculum.

### **Understanding International Politics (POL161)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit introduces students to political and theoretical debates over issues of international interest and concern. It covers key concepts in politics and international studies that feature in these debates: ideology and interests, nations and nationalisms, states

and sovereignty, hegemony and empire, traditional and human security, development and globalisation, global governance and accountability, democracy and democratisation.

Up to 3 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed OPOL161 Asia-Pacific in the Global System (OUA) may not enrol in this unit for credit.

### Understanding Teachers' Work (BED150)

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit introduces students to the profession of teaching. It commences by looking at the self as a learner/teacher and examines the impact this may have on the role of an educator. The unit enables students to appreciate the diverse roles and responsibilities of the teacher, to understand students as individuals and groups, and to develop a critical awareness of the function of schooling in Australia. The unit integrates school experience in both a primary and secondary school setting.

On-campus students: lectures/workshops: 3 hours per week. Students are required to attend and participate in workshops. External students are required to complete a series of tasks based on internal workshop activities.

All students must complete two weeks of school experience (two 5-day blocks, full-time)

Students are expected to take their workshops at the campus of their unit enrolment.

Prerequisites: Enrolment in an initial teacher education course or permission from the Unit Coordinator.

Exclusions: Students who have successfully completed EDN112/EDN1121 Understanding Teacher's Work OR EDN550/EDN5501 Transition to Teaching may not enrol in this unit for credit.

Pre-service teachers must have two current mandatory checks on record in the Murdoch University School of Education Professional Experience Office prior to commencement of this placement: Department of Education National Police History Check and a WA Working with Children Check. Refer to the School of Education Professional Experience website for details: <http://www.murdoch.edu.au/School-of-Education/Professional-Experience/Checks-and-clearances/>  
Pre-service Teachers must submit a Placement Form to the School of Education Professional Experience Office by the due date. A Placement Form activates the placement process and guarantees a school placement. Placement details will be available on SONIA (the School of Education placement database) at <https://myplacement.murdoch.edu.au/SoniaOnline>

### Understanding the Learner and the Learning Environment (EDN561)

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit focuses on learners and learning environments. It addresses major theories of learning and development, with particular emphasis on motivation and learner cognitive, social and emotional development. Drawing on the field of Educational Psychology, the unit enables students to understand research about learning and the implications for effective learning and teaching practice. Throughout the unit, students will develop awareness of their own beliefs and approaches to learning and show how key theories and research will underpin their teaching practice.

Advanced seminars: 9 hours over the semester.

Prerequisites: Enrolment in the Master of Teaching (Primary); Co-enrolment in EDN5501 Transition to Teaching.

### Understanding Your World (KACoo3)

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

This unit presents students with a range of strategies and techniques specifically aimed to help them succeed in science-related tertiary or further education. The unit is designed to encourage students to develop their critical thinking, learning, and language skills to a level adequate for tertiary studies.

Lectures: 1 hour per week; workshops: 3 hours per week.

Prerequisites: Enrolment in the K-Track course.

### University Breadth in Practice Unit (BRD350)

Credit Points: 3

Not available this year

In this unit you will work within an interdisciplinary group comprised of students from a mix of degrees. You will be assigned a project topic drawn from a range of real-world problems. Each group will formulate an appropriate response, drawing on the team's different disciplinary knowledge and technical expertise, to experience interdisciplinarity in practice. You will have an opportunity to present your findings in a range of formats from written texts to oral and multimedia displays.

### US Policies and Global Security (POL236)

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit aims to develop a critical and in-depth understanding of American foreign policy and its impact on global security. Its guiding theme is the relationship between identity and security. The unit explores a range of American foreign policy actions and involvements from the Cold War to the post-Cold War era, including the Cuban missile crisis, arms control negotiations, alliance strategies, the 'war on terror' and the US relationship with global norms.

Lectures: 1 hour per week; tutorials: 1 hour per week. Students will complete two essays independently, in consultation with the teaching staff, and sit an open-book examination at the end of the semester.

Prerequisites: Nil.

Exclusions: Students who have completed POL211 US Policies and Global Security may not enrol in this unit for credit.

### User Interface Design (ICT396)

Credit Points: 3

Not available this year

This unit focuses on providing an understanding of interface and interaction design especially for game and simulation systems. Topics covered include overview of HCl and NUIs; concepts of interface design; interaction design for different platforms; functions of interface and interaction; gesture-driven interface design.

Lectures: 1 x 2 hours per week; tutorials: 1 x 2 hours per week (1 hour unsupervised).

Prerequisites: ICT284 Systems Analysis and Design OR ICT231 Systems Analysis and Design.

Exclusions: Students who have successfully completed ICT325 Human-Computer Interaction may not enrol in this unit for credit.

**Veterinary Case Management Rounds (VET678)**

Credit Points: 3

MURDOCH: H-internal, Y-internal

This unit explores issues that are pertinent to evidence-based clinical veterinary case management. The students are required to attend and contribute to a variety of hospital rounds including (1) discipline-relevant rounds, (2) weekly multi-discipline rounds (MDR), with at least one case presentation during the unit, and/or (3) journal club or other relevant discussion rounds as determined by the Supervisor.

There are approximately 10 MDR's scheduled per semester. Frequency of discipline related rounds should be no less than weekly. Frequency of journal club should be no less than bimonthly. Attendance at >80% of rounds is necessary.

Prerequisites: Enrolment into Master of Veterinary Clinical Studies or Doctor of Veterinary Medical Science.

**Veterinary Diagnostic Imaging (VET462)**

Credit Points: 3

MURDOCH: S2-internal

This unit is comprised of two sections: 1) Radiographic Technique and Safety; 2) Imaging Interpretation Principles and Body System Based Interpretation Paradigms. The concepts of x-ray production and how they are used to make a radiograph will be reviewed in section 1. This section will fulfil radiographic licensing requirements in Australia. Section 2 will introduce the concept of radiographic interpretation. A body-system based approach will review the normal and abnormal radiographic findings of the musculoskeletal system, thorax, and abdomen.

Lectures: 3 x 1 hour per week; laboratories: 1 x 3 hours per week.

Prerequisites: Enrolment in Applied Veterinary Medicine; VET345 Veterinary Pharmacology; VET343 Veterinary Diagnostic Pathology; VET442 Animal Systems III; VET429 Professional Life III.

**Veterinary Diagnostic Pathology (VET343)**

Credit Points: 4

MURDOCH: S1-internal

This unit will develop skills and knowledge gained in previous units (physiology, pathology, anatomy) to diagnose disease processes in major organ systems: haemopoietic, cardiovascular, respiratory, lymphoid, alimentary, nervous, urinary, musculoskeletal, endocrine and integument. The unit introduces diagnostic methods in clinical and anatomic pathology to investigate and diagnose disease linked to clinical signs, along with pathological terminology, skills in interpreting clinical pathology data, biochemistry, haematology, urinalysis, and the ability to predict, describe and interpret effects of disease on major organ systems.

Lectures: 5 x 1 hour per week; practicals: 1 x 3 hours per week; 1 optional tutorial/clinic per week (timetabled but optional attendance).

Prerequisites: Enrolment in Veterinary Biology; VET340 Processes in Animal Disease.

**Veterinary Immunology and Molecular Genetics (VET347)**

Credit Points: 4

MURDOCH: S2-internal

This unit will provide basic knowledge and practical skills in veterinary and medical immunology together with molecular and quantitative genetics. Sections comprise features of the immune response in both health and disease, including an understanding of

immunopathogenic mechanisms of disease. Emphasis is also given to the structure and functioning of genes and how this molecular knowledge is increasingly being applied to diagnosis and treatment. Includes a practical laboratory component and a written assignment on a selected topic within immunology.

Lectures: 4 x 1 hours per week; practicals: 3 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed or who are currently enrolled in BIO252 Immunology, Vaccines and Cell Culture, or BMS265 Medical Immunology and Molecular Genetics may not enrol in this unit for credit.

**Veterinary Microbiology (VET341)**

Credit Points: 4

MURDOCH: S2-internal

This unit will provide basic knowledge and practical skills in microbiology relating to infectious diseases of animals. A generalist and integrated approach to pathogenic microbiology is adopted, but includes separate sections on bacteria and viruses. Sections comprise an introduction to features of pathogenic micro-organisms including structure, metabolism, genetic composition, culture and identification. Emphasis is given to the mechanisms causing disease and to principles of diagnosis and control.

Lectures: 3 x 1 hours per week; workshop: 1 x 2 hours per week (weeks 1- 4); laboratories: 1 x 3 hours per week (weeks 8-13) (Lab 1 - 2 hours; Lab 2 - 1 hour)

Prerequisites: Enrolment in Veterinary Biology.

**Veterinary Nutrition and Animal Toxicology (VET346)**

Credit Points: 4

MURDOCH: S1-internal

This unit will provide students with an opportunity to learn about the fundamentals of nutrients, feeds, nutritional biochemistry of vitamins and minerals, interactions between nutrients and feed components, ration formulation, practical feeding strategies for livestock and companion animals, nutrition-responsive diseases and an introduction to toxicology of animals. Several components of this unit will be presented as workshops.

Lectures: 4 x 1 hour per week; workshops/seminars: 1 x 2 hours per week.

One workshop specifically relates to the nutritional requirements and care of racing and retired greyhounds. This exercise requires students to organise and coordinate the event themselves and is an excellent way of fostering better relationships between greyhound trainers and future veterinarians. The workshop also gives students opportunity to develop communication skills and apply concepts taught in the Veterinary Professional Life stream.

Prerequisites: Enrolment in Veterinary Biology; VET241 Veterinary Biochemistry OR ANS251 Agricultural Biochemistry.

Exclusions: Students who have successfully completed ANS354 Animal Nutrition and Toxicology may not enrol in this unit for credit.

**Veterinary Nutrition and Animal Toxicology (VET380)**

**As for VET346 except:**

Credit Points: 3

Not available this year

**Veterinary Parasitology (VET344)**

Credit Points: 4

MURDOCH: S2-internal

A unit in applied parasitology that introduces the concept of parasitism and the diversity of parasitic organisms. The life cycles and transmission patterns of the major parasites of domestic animals in Australia are described. The interaction between hosts and parasites, leading to the disease, is covered in detail, as is the treatment of parasitic disease and the development of integrated approaches to parasite control. Special attention is given to the diagnoses of parasitic disease in livestock and companion animals.

Lectures: 4 x 1 hour per week; practical: 1 x 3 hours per week.

Prerequisites: Enrolment in Veterinary Biology. Recommended: ANS102 Introduction to the Animal Body.

**Veterinary Pharmacology (VET345)**

Credit Points: 4

MURDOCH: S1-internal

This unit introduces the student to the language of pharmacology, followed by the systematic study of the veterinary drugs used for all the body systems across the major domestic species. Also included is the chemotherapeutic treatment of neoplasia, bacteria, fungi, protozoa, viruses and parasites. Principles of rational veterinary therapeutics are emphasised. The unit will be presented using lectures, practical sessions and seminars. Practicals focus on applying pharmacological principles to veterinary clinical case examples.

Lectures: 5 x 1 hour per week; practicals/seminars: 1 x 3 hours per week.

Practicals are intended to provide real world application. The drug practicals involve calculating drug doses and then working with tablets, needles and syringes to obtain the drugs into forms ready for administration and/or dispensing.

Prerequisites: VET243 Veterinary Physiology II; VET341 Veterinary Microbiology.

**Veterinary Practice Management (VET672)**

Credit Points: 3

Not available this year

This unit will provide veterinarians with an understanding of the key principles in all aspects of veterinary practice management and includes modules on marketing, human resources, client relations, financial management and core functional aspects about management of a veterinary practice.

Prerequisites: Enrolment in the Master of Veterinary Studies (Small Animal Practice) (M1022) or Master of Veterinary Clinical Studies (M1223).

**Veterinary Professional Life I (VET209)**

Credit Points: 1

MURDOCH: S1-internal (closed)

Veterinary Professional Life is a whole-of-course professional curriculum, intended to promote the profile and development of student outcomes in skills and attributes important to professional success. Unit contact consists of a compulsory full-day orientation workshop in Week 0, and a weekly seminar series featuring guest

speakers. In preparation for the following unit VET348, students must complete one week of extramural experience in a veterinary workplace during non-teaching weeks.

Orientation Workshop: 1 day in Week 0; lectures: 1 hour per week.

Prerequisites: Enrolment in Veterinary Biology.

A result of Ungraded Pass or Fail is awarded for this unit.

**Veterinary Professional Life I (VET210)**

Credit Points: 3

MURDOCH: Y-internal

Veterinary Professional Life is a whole-of-course professional curriculum, guiding the development of the key competencies important to professional success. This unit introduces the foundational framework and enabling skills within the VPL themes: Skills for Success; Scientific Basis of Veterinary Medicine; and Veterinary Professional Practice. Learning experiences include interactive lectures and workshops; a guest seminar series; and two compulsory activities within non-teaching periods: a 3-day off-campus camp; and one week of clinical experience within the Murdoch Teaching Hospital.

Lectures: 2 x 1 hours per week; VPL seminars: 1 hour per week; workshops: 1 x 2 hours per week.

Off-campus camp (3 days in non-teaching period). Intramural clinical experience (5 days in a non-teaching period).

Prerequisites: Enrolment in BSc (Veterinary Biology)/Doctor of Veterinary Medicine

**Veterinary Professional Life II (VET348)**

Credit Points: 1

MURDOCH: S1-internal

Veterinary Professional Life is a whole-of-course professional curriculum, intended to promote the profile and development of student outcomes in skills and attributes important to professional success. This unit continues the weekly guest seminar series, and includes a compulsory 3-day off-campus camp in a non-teaching week, with a focus on personal and professional development, particularly communication skills. Information will be provided on extramural farm visits required for completion of the following unit VET429.

Lectures: 1 hour per week; off-campus workshops: 3 days during a non-teaching week.

Prerequisites: Enrolment in Veterinary Biology Year 2; VET209 Veterinary Professional Life I.

In preparation for this unit, students must already have completed one week of extramural experience in a veterinary workplace, as advised in VET209.

A result of Ungraded Pass or Fail is awarded for this unit.

**Veterinary Professional Life II (VET448)****As for VET348 except:**

Credit Points: 3

Not available this year

A result of Ungraded Pass or Fail is awarded for this unit.

**Veterinary Professional Life III (VET429)**

Credit Points: 1

MURDOCH: S1-internal

In this unit students will develop an understanding of issues faced by farmers and develop animal handling skills by spending six weeks on farms during non teaching periods of second and third years of the veterinary science program. This unit will help students develop skills to interact with the farming community and to competently handle and examine livestock. This unit also includes a scientific communication component where students will develop skills in communication of scientific concepts to the broader community.

Extramural farm experience: 6 weeks on-farm contact time during non-teaching periods in second year and semester one of third year. Scientific communication: 5 lectures and 5 workshops in semester one of third year.

Prerequisites: Enrolment in Veterinary Biology; VET348 Veterinary Professional Life II.

**Veterinary Professional Life III (VET484)***As for VET429 except:*

Credit Points: 3

Not available this year

**Veterinary Professional Life III (VET584)**

Credit Points: 6

Not available this year

**Veterinary Professional Life IV (VET458)**

Credit Points: 1

MURDOCH: S1-internal

This unit aims to provide the knowledge, attitude and skills in professional development for successful transition into veterinary practice. Topics include professional and workplace issues, communication, interactions with clients and co-workers, practice policies, legal and financial issues, preparing a curriculum vitae and job application. The unit is linked to practice visits; students will explore their own personal style as they engage with the material and reflect on their experiences in practice visits.

Lectures: 1 - 2.5 hours per week (12 teaching weeks)

Prerequisites: Enrolment in Applied Veterinary Medicine; VET429 Veterinary Professional Life III.

A result of Ungraded Pass or Fail is awarded for this unit.

**Veterinary Professional Life V (VET538)**

Credit Points: 6

MURDOCH: Y2-internal

This unit continues the professional development themes of previous VPL units, with a focus on development of key professional/life skills within an applied clinical context. Students will complete a number of assignments available through LMS. All students must undertake extra mural clinical experience in accordance with guidelines stated in the EME handbook.

Approximately 30 to 40 hours per week (during the extramural clinical experience weeks); occasional weekend and overnight participation will be required.

Prerequisites: Successful completion of the BSc in Veterinary Biology and VET558 Veterinary Professional Life IV and all fourth year units; enrolment in Bachelor of Veterinary Medicine and Surgery.

**Veterinary Structure and Function I (VET260)**

Credit Points: 3

MURDOCH: S1-internal (quota of 110 places)

This is the first of four integrated units exploring the structure and function of the healthy animal body. These four units will incorporate anatomy, physiology, histology and embryology in animals of veterinary interest, providing a foundation for the understanding of dysfunction and disease. This unit will focus on the musculoskeletal system, and on the neural control pathways of locomotion and peripheral sensation. Practical sessions will involve detailed topographic dissections, the examination of live animals and computer-aided learning exercises.

Lectures: 3 x 1 hours per week; laboratory sessions: 1 x 3 hours per week; revision (clinic) sessions: 1 hour per week.

Prerequisites: Enrolment in BSc (Veterinary Biology)/DVM; Successful completion of all BSc (Veterinary Biology)/DVM Part I units, or accepted equivalents. Students enrolled in the BSc (Animal Science/Animal Health) double major are eligible to enrol, subject to quota restrictions and approval of the Unit Coordinator.

This unit is subject to quota. Quota is due to limited laboratory/histology facilities. Preference is given to students enrolled in the BSc (Veterinary Biology)/Doctor of Veterinary Medicine.

**Veterinary Structure and Function II (VET271)**

Credit Points: 3

MURDOCH: S1-internal (quota of 110 places)

The second of four integrated units exploring the structure and function of the healthy animal body. These four units incorporate anatomy, physiology, histology and embryology in animals of veterinary interest, providing a foundation for the understanding of dysfunction and disease. This unit focuses on the cardiovascular, lower respiratory, and renal systems, and includes the regulation of water, electrolyte, and acid-base balance. Practical sessions involve microscopy workshops, examination of live animals and fresh animal material, and computer-aided learning exercises.

Lectures: 3 hours per week; laboratory sessions: 3 hours per week; revision (clinic) sessions: 1 hour per week.

Prerequisites: Enrolment in BSc (Veterinary Biology)/DVM; Successful completion of all BSc (Veterinary Biology)/DVM Part I units, or accepted equivalents. Students enrolled in the BSc (Animal Science/Animal Health) double major are eligible to enrol, subject to quota restrictions and approval of the unit coordinator.

This unit is subject to quota. Quota is due to limited laboratory/histology facilities. Preference is given to students enrolled in the BSc (Veterinary Biology)/Doctor of Veterinary Medicine.

**Veterinary Structure and Function III (VET273)**

Credit Points: 3

MURDOCH: S2-internal (quota of 110 places)

Third of four integrated units exploring the structure and function of the healthy animal body. These units incorporate anatomy, physiology, histology and embryology in animals of veterinary interest, providing a foundation for the understanding of dysfunction and disease. This unit focuses on endocrine and reproductive systems, embryology, including major tissue lineages (blood, connective tissue, muscle, nervous tissues, epithelia, integument), growth and development. Practical sessions involve microscopy workshops, examination of live animals and fresh animal material, and computer-aided learning exercises.

Lectures: 3 hours per week; laboratory sessions: 3 hours per week; revision (clinic) sessions: 1 hour per week

Prerequisites: Enrolment in BSc (Veterinary Biology)/DVM; Successful completion of all BSc (Veterinary Biology)/DVM Part I units, or accepted equivalents  
Students enrolled in the BSc (Animal Science/Animal Health) double major are eligible to enrol, subject to quota restrictions and approval of the unit coordinator.

This unit is subject to quota. Quota is due to limited laboratory/histology facilities. Preference is given to students enrolled in the BSc (Veterinary Biology)/Doctor of Veterinary Medicine.

### **Veterinary Structure and Function IV (VET274)**

Credit Points: 3

MURDOCH: S2-internal (quota of 110 places)

The fourth of four integrated units exploring the structure and function of the healthy animal body. The four units will incorporate anatomy, physiology, histology and embryology in animals of veterinary interest, providing a foundation for the understanding of dysfunction and disease. This unit will focus on an integrated study of the head, including the upper respiratory tract, and on the gastrointestinal tract. Practicals will involve dissections, examination of live animals and fresh animal material, microscopy workshops, and computer-aided learning exercises.

Lectures: 3 hours per week; laboratory sessions: 3 hours per week; revision (clinic) sessions: 1 hour per week.

Prerequisites: Enrolment in BSc (Veterinary Biology)/DVM; Successful completion of all BSc (Veterinary Biology)/DVM Part I units, or accepted equivalents  
Students enrolled in the BSc (Animal Science/Animal Health) double major are eligible to enrol, subject to quota restrictions and approval of the unit coordinator.

This unit is subject to quota. Quota is due to limited laboratory/histology facilities. Preference is given to students enrolled in the BSc (Veterinary Biology)/Doctor of Veterinary Medicine.

### **Veterinary Studies Masters Project (VET639)**

Credit Points: 3

MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

This unit requires the application of research skills and the substantial investigation of a topic relevant to the student's main area of study. Students may elect to undertake a field placement with a conservation project in Australia or overseas as a component of this unit, in which case their assessment will involve undertaking a Project focusing on a topic related to the placement or Case Study Reports relating to the investigation and management of clinical cases.

Supervisory meetings for internal students and email liaison for external students.

Students may elect to undertake a field placement with a conservation project in Australia or overseas as a component of this unit. Placements are generally for one month.

Prerequisites: Enrolment in Master of Veterinary Studies (Conservation Medicine) or Doctor of Veterinary Medical Science.

Placements will normally involve a supervisor from the placement institution and from Murdoch staff, and students will be assessed by both supervisors.  
Enrolment in this unit in the internal mode is subject to approval by the Academic Chair.

### **Veterinary Studies Masters Project (VET639)**

*As for VET639 except:*

Credit Points: 6

MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

Supervisory meetings for internal students and email liaison for external students.

Students may elect to undertake a field placement with a conservation project in Australia or overseas as a component of this unit. Placements are generally for one month.

Prerequisites: Enrolment in Master of Veterinary Studies (Conservation Medicine) or Doctor of Veterinary Medical Science.

Placements will normally involve a supervisor from the placement institution and from Murdoch staff, and students will be assessed by both supervisors. Enrolment in this unit in the internal mode is subject to approval by the Academic Chair.

### **Veterinary Studies Masters Research Dissertation (VET649)**

Credit Points: 12

MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

This unit involves the completion of a research project under the supervision of a member of staff. Students must produce a dissertation of between 15,000 and 18,000 words based on their research. The dissertation will be assessed by two staff members or other appropriately qualified people as approved by the Academic Chair.

Meetings/discussions as required.

Prerequisites: Enrolment in Master of Veterinary Studies in Veterinary Surveillance or permission of the Academic Chair.  
Students enrolled in the Master of Veterinary Studies in Conservation Medicine are required to have a distinction average in their required units in order to enrol in this elective unit.

### **Victimology and Restorative Justice (CRM284)**

*As for LLB284 except:*

Credit Points: 3

MURDOCH: S2G-internal

This unit will be offered in an intensive mode, full time over 5 days.

Prerequisites: Nil.

Exclusions: Students who successfully completed LEG300 Special Topics in Legal Studies: Restorative Justice in 2010 or LAW231/CRM231 Restorative Justice may not enrol in this unit for credit.

For 2015 this unit will be run intensively from 20 to 24 July.

### **Victimology and Restorative Justice (LLB284)**

Credit Points: 3

MURDOCH: S2G-internal

This unit examines the restorative justice paradigm, as well as issues encountered by victims of crime, from an empirical standpoint. It requires students to enter into a critique of current legal practices from a 'what works' perspective.

This unit will be offered in an intensive mode, full time over 5 days.

Prerequisites: Nil.

Exclusions: Students who successfully completed LEG300 Special



Topics in Legal Studies: Restorative Justice in 2010 or LAW231/CRM231 Restorative Justice may not enrol in this unit for credit.

For 2015 this unit will be run intensively from 20 to 24 July.

### **Virtual Environments for Games and Simulations (ICT312)**

Credit Points: 4

MURDOCH: S2-internal, S2-external

This unit covers the modelling of physical situations. Three-dimensional virtual environments are explored in detail along with the actions and interactions of characters and objects within a virtual world. Simulation concepts and the physics behind collision response are introduced. Computer Graphics technologies enabling visual virtual worlds are also discussed.

Lectures: 1 x 2 hours per week plus optional clinics; tutorials: 1 x 2 hours per week (1 hour unsupervised).

Prerequisites: ICT311 Advanced Games Design and Programming.

### **Virtual Environments for Games and Simulations (ICT398)**

*As for ICT312 except:*

Credit Points: 3

Not available this year

Lectures: 2 hours per week plus optional clinics; tutorials: 2 hours per week (1 hour unsupervised).

Prerequisites: ICT397/311 Advanced Games Design and Programming.

Exclusions: Students who have successfully completed ICT312 Virtual Environments for Games and Simulations may not enrol in this unit for credit.

### **Visa Compliance, Cancellation and Review (LLM504)**

Credit Points: 3

MURDOCH: AU10-internal, SP1-internal

This unit examines the regulatory framework, requirements and procedures relating to cancellation, refusals, compliance, other sanctions, appeals and reviews within the Australian Visa System. Students will develop an understanding of the appropriate client options, how to formulate advice, determine strategies and provide effective advice to clients in dealing with these scenarios. The unit will cover merits and judicial review of decisions, ministerial discretion, the formulation of submissions and preparation of review documentation to government.

Taught intensively over two weeks; refer to timetable or information on the School of Law website for details. Due to the nature of the offering of this unit, students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

Timetabled Activities: 28 hours intensively over the duration of the course. Readings/Self-Directed Study: 112 hours intensively over the duration of the course. Assessment: 18 hours over the duration of the course.

Prerequisites: Enrolment in the Graduate Certificate in Australian Migration Law and Practice; LLM502/LLB502 Australian Migration Law.

### **Visual Literacy (PHO204)**

Credit Points: 3

MURDOCH: S1-internal

Understanding the image and developing visual literacy particularly as it applies to photography. Visual literacy is the ability to evaluate, apply, or create conceptual visual representations. Skills include the evaluation of advantages and disadvantages of visual representations, to improve communication, to decode and critically analyse photographic work, to create and communicate knowledge, or to devise new ways of representing insights.

Lectures: 1 hour; workshops: 1.5 hours.

Prerequisites: Nil.

### **Water and Earth Science (ENV243)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

The unit describes the materials and processes in landscapes including rocks, regolith and soils; and the storage and movement of water within them. Geomorphology and groundwater hydrology are studied with emphasis on the interactions between water, soils and plants. Principles and processes of the water cycle and water balance are covered with particular reference to environmental degradation (salinity, eutrophication, groundwater pollution). Laboratory and field experiments give students hands-on exposure to these issues complemented by problem-based, numerical exercises.

Lectures: 2 hours per week; practical work: equivalent to 2 hours per week.

External students should note that this unit has a compulsory week-long on-campus component.

Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

Students are required to participate in a one-day field trip as part of the practical work. The practical work will comprise laboratory-based analyses and problem solving exercises and field excursions that examine environmental issues and their management.

Prerequisites: Nil.

Exclusions: Students who have successfully completed ENV281 Water and Earth Science may not enrol in this unit for credit.

A thorough knowledge of Year 12 secondary-level chemistry is assumed.

### **Water Conservation and Auditing (ENG341)**

Credit Points: 3

Not available this year

An introduction to the principles of water conservation and water auditing as an important tool in implementing water conservation and as part of a general environmental management system. A primary purpose of a water audit is to improve water use efficiency by identifying opportunities for reduction in water use and recycling. Topics include: flow measurement and instrumentation, water quality requirements for various types of water use, regulations governing environmental use of water and management strategies. Case studies are discussed.

Lectures: 2 hours per week; workshops: 3 hours per week.

Prerequisites: Nil.

**Web Analytics (WEB564)**

Credit Points: 3

MURDOCH: S2-internal

This unit examines the process of developing, analysing and implementing web analytics. Students will learn how to design and implement effective web data collection tools and processes for a range of search engine optimisation, strategic and business applications. In this hands-on unit, students will conduct research on target demographics, analyse both qualitative and quantitative data, and then present their results.

Laboratories: 2 hours; online lectures: 1 hour.

**Web and Mobile Computing (ICT286)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit provides an intermediate technical understanding and practical experience in web application development for both the traditional computer systems and for smartphone devices. Topics include: design and implementation of web applications using languages and tools such as HTML, CSS, JavaScript (including AJAX), PHP, and MySQL; an introduction to mobile application development, administration of web servers on a Unix system, and an introduction to web security.

Lectures: 2 x 1 hour per week; tutorials: 2 x 1 hour per week (1 hour unsupervised).

Prerequisites: ICT159 Foundations of Programming or ICT102 Introduction to Computer Science.

Exclusions: Students who have successfully completed ICT211 Web Computing may not enrol in this unit for credit.

**Web Communication Project (WEB301)**

Credit Points: 3

Not available this year

This is a project based unit allowing students to apply their theoretical learning to an authentic web communication project in order to develop high-level web strategy skills. Students may participate in a client or educator-led project under the supervision of an academic member of staff. Students may work individually or as a member of a team. The precise nature of the project and the assessment requirements are negotiated with the Unit Coordinator.

Online lectures: 1 hour; laboratories: 3 hours.

Students will be expected to read additional technical articles and analyse contemporary web site design.

Prerequisites: Successful completion of MCC278 Web Strategy

**Web Computing (ICT211)**

Credit Points: 4

DUBAI-ISC: TSD-internal

This unit provides an intermediate technical understanding and practical experience in Internet and Web technologies. Topics include: design and implementation of web applications using languages and tools such as XHTML, CSS, JavaScript, PHP, and MySQL; administration of web servers on a Unix system, an introduction to Internet security and Ajax technology.

Lectures: 2 hours per week; tutorials: 2 hours per week (1 hour unsupervised).

Prerequisites: ICT108 Introduction to Multimedia and the Internet or ICT102 Introduction to Computer Science.

**Web Design (MCC263)**

Credit Points: 4

KAPLAN-SGP: TJA-internal, TSA-internal

This unit provides students with a solid basis in the theory and practice of website design. It examines the application of visual communication and graphic design in web design. This unit also looks at web development, interaction design, user experience, content strategies and project management for the web.

Online lecture; media laboratories: 2 hours per week.

Prerequisites: MCC118 Visual Communication (or MUL118 Principles of Multimedia).

**Web Design (WEB263)**

Credit Points: 3

MURDOCH: S1-internal

This unit provides students with a solid basis in the theory, design and technology of website design. It examines the application of visual communication and graphic design along with the integration of HTML, CSS and Java script in web design. This unit also looks at web development, interaction design, user experience, content strategies and project management for the web.

Online lecture; media laboratories: 2.5 hours per week.

Prerequisites: IDD118 Introduction to Graphic Design

Exclusions: Students who successfully completed MCC263 Web Design may not enrol in this unit for credit.

**Web Metrics (WEB302)**

Credit Points: 3

Not available this year

This unit explores the strategic and business application of web metrics. Students will be guided through the practical and theoretical aspects of planning, gathering, measuring, analysing and strategically using website data for a range of applications.

Online lectures: 1 hour; laboratories: 3 hours.

Prerequisites: Nil.

**Web News Production (JOU217)**

Credit Points: 3

MURDOCH: S2-internal

This unit will prepare students for work in a fully converged newsroom. Students will collect, edit and script news stories in all three on-line formats; print, audio and video.

Lectures: 1 hour per week; workshops: 1.5 hours week.

Prerequisites: JOU104 Introduction to Journalism or MCC104 Introduction to Journalism

Exclusions: Students who have successfully completed MCC217 Web News Production may not enrol in this unit for credit.

**Web News Production (MCC217)**

Credit Points: 4

DUBAI-ISC: TMD-internal

SGP1: TMB-internal

This unit will prepare students for work in a fully converged news room. Students will collect, edit and script news stories in all three on-line formats; print, audio and video.

Lectures: 1 hour a week; tutorials 1.5 hours a week.

Prerequisites: MCC104 Introduction to Journalism AND MCC105 Introduction to Radio. Highly recommended: MCC245 Media Law and Ethics.

### Web Planning (WEB565)

Credit Points: 3

MURDOCH: S2-internal

This unit focuses on the development of strategic planning for web communications campaigns. Students will research and analyse key strategic communications theories definitions, history, scope, and the underlying methods of planning practice. Ethical issues and laws that affect the practice of strategic communication are covered. In addition, students will study key principles and competencies in planning, and implementing and evaluating a successful web plan in the context of a web communications campaign.

Laboratories: 2 hours; online lectures: 1 hour.

### Web Strategy (MCC278)

Credit Points: 4

KAPLAN-SGP: TJA-internal, TSA-internal

This unit explores the theory and practice of online web communication strategy development and implementation. It provides some important principles for understanding the impact of new media on communications disciplines including public relations and marketing. In addition to learning about the use of technology to enhance offline communications strategies, students will learn how to develop campaign plans utilising web communication platforms such as websites, multimedia and social media for a variety of organisations.

Lectures: 1 hour per week; tutorials: 2 hours per week.

Prerequisites: Nil.

### Web Strategy (MCM502)

Credit Points: 3

MURDOCH: S1-internal

This unit explores the function and form of communications strategy in the web environment by analysing the impact of the Internet - in particular websites, social media and mobile communication technology - on the way that organisations interact with stakeholders and audiences in the online public sphere. Students will engage with public relations, marketing communication and Internet theory in order to research, develop and implement strategy in real time with real life clients.

Seminars/workshops: delivered in intensive teaching mode (24 hours contact time), which may include evenings and weekends. Students will complete assignments independently in consultation with teaching staff.

Prerequisites: Nil.

### Web Strategy (WEB278)

Credit Points: 3

MURDOCH: S2-internal

This unit explores the theory and practice of online web communication strategy, development and implementation. It provides some important principles for understanding the impact of new media on communications disciplines including public relations and marketing. In addition to learning about the use of technology to enhance offline communications strategies, students will learn how to develop campaign plans utilising web communication platforms such as web sites, multimedia and social media for a

variety of organisations.

Lectures: 1 hour per week; tutorials: 1.5 hours per week

Prerequisites: Nil.

Exclusions: Students who have successfully completed MCC278 Web Strategy may not enrol in this unit for credit.

### Wellbeing (BRD251)

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit examines the notions of wellbeing in a postmodern society, from a range of interdisciplinary perspectives and in varying contexts. This is valuable to address the dimensions of wellbeing from a holistic approach. This approach will enable students to explore physiological, creative, psychological, historical, philosophical, environmental, emotional and economic perspectives of wellbeing. Integration of these perspectives will assist the student to articulate personal understandings of wellbeing and better apply the concept to their own lives.

Lectures: 1 x 1 hour per week; tutorials: 1 x 2 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed FDN111 Wellbeing may not enrol in this unit for credit.

### What is Science? (BSC150)

Credit Points: 3

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

The challenges of the future require creative thinking and an interdisciplinary approach to solve complex social, health, technological and environmental problems. This unit will introduce you to the history and philosophy of Science and the interconnected nature of the scientific disciplines. It explores how scientific ways of thinking and knowing have emerged and how science informs and is framed by non-scientific ways of thinking and broader social agendas. Be prepared to challenge what is known/unknown in your discipline.

Lectures: 1 hour per week; laboratories: 2 hours per week, commencing in week 2.

Prerequisites: Nil.

### Wildlife Biology (BIO317)

Credit Points: 4

MURDOCH: S2-internal

An introduction to the theory and practice of studying vertebrate animal populations for the purpose of conservation and management. Emphasis is on terrestrial wildlife. Topics: ecology of Australian animals; wildlife and habitat; research design; methods for detecting and studying animal populations; estimating abundance; use of population and ecological data. Case studies explore the principles of wildlife research and management. A field exercise during the second non-teaching break provides experience in the study of animal ecology by field work.

Lectures/workshops: 2 hours per week; laboratories/practicals: 4 hours per week.

There is a compulsory field exercise held during the second non-teaching break. Each student needs to attend 3 days of field work.

Prerequisites: BIO368/BIO375 Conservation Biology.

**Wildlife Biology (BIO376)****As for BIO317 except:**

Credit Points: 3

Not available this year

Workshops: 1-2 hours per week; practicals: 3-4 hours per week

A field project offers intensive hands-on experience in the study of the ecology of fauna in their natural habitat.

Prerequisites: BIO368 Conservation Biology or BIO375 Conservation Biology

**Wildlife Comparative Pathology Project (VET664)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This elective unit aims to provide students with an understanding of fundamental issues associated with disease investigation and comparative pathology of wildlife. The unit focuses on the pathobiology of common diseases of mammals, birds, reptiles and amphibians.

Tutorials: 2 hours per week for internal students; on-line discussion for external students.

Prerequisites: Enrolment in Master of Veterinary Studies (Conservation Medicine) or Doctor of Veterinary Medical Science.

Enrolment in this unit in the internal mode is subject to approval by the Academic Chair.

**Wildlife Medicine (VET631)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit provides basic skills necessary to deal with sick and injured wild fauna, including wildlife cases which could be presented for examination and treatment to veterinarians in private practice. It covers appropriate methods of physical and chemical restraint; diagnosis and treatment of common diseases and injuries; zoonoses; and nutrition and husbandry associated with management of wild fauna in captivity. Students can select elective modules from a range of topics relevant for veterinarians working with wildlife and zoo animals.

Tutorials: 1 x 2 hours per week for internal students; online discussion for external students.

Prerequisites: Enrolment in Master of Veterinary Studies (Conservation Medicine), Master of Veterinary Studies (Small Animal Practice) or Doctor of Veterinary Medical Sciences.

Enrolment in this unit in the internal mode is subject to approval by the Academic Chair.

**Willem C Vis International Commercial Arbitration Moot (LAW315)**

Credit Points: 4

MURDOCH: H-internal (quota of 5 places)

The prestigious Willem C Vis International Commercial Arbitration Moot, which runs from October to Easter the following year, trains students in principles of international commercial law and techniques of international commercial arbitration. Students study the United Nations Convention on Contracts for the International Sale of Goods, 1980 (CISG) and various arbitration rules, interpreting these texts in light of different legal systems and developing expertise in advocating a position before an international arbitral panel composed of arbitrators and business people.

Meetings as required.

Prerequisites: LEG120 (prior to 2012)/LAW120 Research and Writing, LEG150 (prior to 2011)/LAW150 Australian Legal System, LAW152 Torts, LAW130 Criminal Law and Procedure, LAW260 Contract and by invitation of the Unit Coordinator.

This unit is subject to quota. Quota is due to limited resources. Selection is based on: Academic record and standing; Demonstrated speaking, debating and mooted ability; Demonstrated administrative experience; Demonstrated knowledge of foreign languages and legal systems.

**Willem C Vis International Commercial Arbitration Moot (LLB315)****As for LAW315 except:**

Credit Points: 3

Not available this year

Prerequisites: LEG120 (prior to 2012)/LAW120 Research and Writing, LEG150 (prior to 2011)/LAW150 Australian Legal System, LAW152 Torts, LAW130 Criminal Law and Procedure, LAW260 Contract and by invitation of the Unit Coordinator.

Exclusions: Students who have completed LAW315 Willem C Vis International Commercial Arbitration Moot may not enrol in this unit for credit.

This unit is not subject to quota.

**Wind Energy Engineering (ENG339)**

Credit Points: 3

Not available this year

**Wireless and Interactive Networks (ICT369)**

Credit Points: 3

Not available this year

This unit will explore wireless networks and Interactive networks. The wireless component of this unit will focus on the operation and administration of large WiFi networks. The interactive networks component will explore IP Telephony and the role that it will play in our modern networks. Although the unit is applied, governance and regulatory issues are highlighted where appropriate.

Lectures: 1 x 2 hours per week; tutorials: 1 x 2 hours per week.

Prerequisites: ICT103 Introduction to Data Communications or ICT169 Foundations of Data Communications.

Exclusions: ICT264 Wireless Networks; ICT344 IP Telephony.

**Wireless Data Communications (ICT503)**

Credit Points: 3

MURDOCH: S1-internal

This unit will explore wireless data communications technologies with a specific focus on WiFi networking. Students will learn how to operate and configure open source wireless equipment. The hands-on labs, which include a field day, will be used to reinforce wireless theory. In addition to the practical elements; policy, governance and regulatory issues will also be discussed.

Workshops: 1 x 3 hours per week.

Prerequisites: Enrolment in a graduate IT course or permission of the Academic Chair.

Exclusions: Students who have completed ICT564 Wireless Networks may not enrol in this unit for credit.

**Wisdom from the Ancient Near East (REL312)**

Credit Points: 3

Not available this year

Wisdom traditions in the ancient Near East address such issues as innocent suffering, living life in the face of death, and making wise choices in daily life. The wisdom perspective, though not irreligious, is often sceptical of orthodox religious perspectives and draws on the lessons of practical, lived experience as opposed to revelation from a deity. This unit will examine wisdom literature from ancient cultures including, Egypt, Sumer, Babylonia, and Israel.

Lectures: 1 hour per week; tutorials: 1 hour per week.

Prerequisites: Nil.

**Women in Asian Societies (AST288)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit examines the role and status of women in Asian societies. It considers representations of the feminine in traditional culture as well as contemporary society. Special emphasis will be placed on the implications for women of current social and economic changes in the region including government policies affecting reproduction and the family, women's involvement in subsistence agriculture, industry and the development process. Autobiography and film will be used to supplement anthropological and sociological studies.

Seminars: 1 x 3 hours per week; on-line lectures and Discussion forum.

Prerequisites: Nil.

**Work and Well-being (PSY612)**

Credit Points: 3

MURDOCH: S2-external

Aim: to acquaint students with issues related to well-being of workers. Topics: theories and management of work related stress, mental health (and ill health) at work, and impact of retirement, retrenchment and unemployment. The unit also covers issues of safety and accident causation, safety measures, improving safety performance, and human factors underlying work performance. Focus will be on maintaining the physical and psychological well-being of the individual employee in a climate which is compatible with the organisational objectives.

Online discussions with minimum contribution requirements.

Prerequisites: Enrolment in Postgraduate/Graduate Certificate in OHRs or PgDipConsultPsych or GDipConsultPsych or MAppPsych or MAppPsych(Professional) or DPsych or MAppPsych/PhD, or for other Masters courses students need to obtain the permission of the Unit Coordinator.

Exclusions: Students who have successfully completed MBS570 Health and Wellbeing in the Workplace may not enrol in this unit for credit.

**Work Health and Safety Law (MBL623)**

Credit Points: 3

MURDOCH: S1-internal, S1-external

This unit explores the statutory requirements of work health and safety in Australia, focussing on the role law has in preventing work related injury and disease. It will examine the responsibilities of duty holders and discuss policy issues. Workers compensation and rehabilitation are also studied.

Seminars: 3 hours per week

Prerequisites: Enrolment in a graduate-level course.

Exclusions: Students who have completed MBS623 Work and Health Safety Law may not enrol in this unit for credit.

**Work-Based Learning (BUS267)**

Credit Points: 3

MURDOCH: S1-internal (quota of 50 places)

Utilise current employment (full-time, part-time or casual) and integrate formal learning outcomes with learning at work. Reflect on the synthesis between workplace experiences and learnings and integrate those with formal in-class learning. Opportunity to consolidate theoretical knowledge and develop professional competence in the workplace. Learning experience takes place inside and outside the classroom participating in real world business experiences and incorporating this into formal studies. Can be undertaken as a general elective in undergraduate courses University-wide.

Lectures/seminars: 3 hours per week.

Prerequisites: Nil.

Since having an existing job is a required component, students are required to ensure they withdraw from the unit in a timely manner should their working circumstances change.

This unit is subject to quota. Quota is due to limited resources. Students must already be in the workplace either full-time, part-time or casual.

**Working in Development (SWM512)**

Credit Points: 3

MURDOCH: W-internal

Aid and development professionals are employed across a range of institutional settings. This unit examines the work of international consultants in particular and is taught by expert practitioners with a wealth of experience in consultancies, project management and policy advice in Africa, Asia and the Pacific. Students work in teams through the tasks of project design and implementation, taking into account cross-cutting issues of gender, sustainability and governance, and develop networking opportunities into the aid and development industry.

Seminars and workshops are delivered in intensive teaching mode (24 hours contact time), which may include evenings and weekends. Students will then complete research assignments independently, in consultation with teaching staff.

Prerequisites: Enrolment in Graduate Certificate in Development Studies, Master of Development Studies, or Master of International Affairs or Master of Public Policy and Management.

Exclusions: Students who have successfully completed SSH512 Working in Aid and SSH606 Working in Aid and Development may not enrol in this unit for credit.

**Working with Indigenous Communities: Internship (AIS308)**

Credit Points: 3

MURDOCH: S1-internal, S2-internal

This is a professional internship program which offers students the opportunity to spend a number of weeks working with an Indigenous community organisation. The coursework component of the unit will comprise an exploration framework for cross-cultural interaction in work settings, such as Indigenous protocols, cultural safety and cultural competence.

Seminars: 4 x 2 hours.

Work placement.

Prerequisites: AIS180 Introduction to Australian Indigenous Studies or AIS110 Introduction to Indigenous Popular Culture and AIS204 Australian Indigenous Politics: Historical Contexts and Contemporary Issues or approval of the Academic Chair.

Exclusions: Students who have successfully completed AIS222 Working with Indigenous Communities: Internship may not enrol in this unit.

### Workplace Law (BSL202)

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit examines the legal relationship between an employer and employee in Australia. It begins with a study of the individual contract of employment focusing on the common law rights and duties of employers and employees, and then proceeds to take an overview of relevant federal legislation. A particular interest is taken in the minimum standards, regulation of collective bargaining, industrial action, dismissal and work health and safety.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Successful completion of BSL165 Foundations of Business Law / BUS165 Principles of Commercial Law or LLB260 Contract Law.

Exclusions: Students who have successfully completed BUS228 Employment Law, BUS228 Workplace Law or L363/LAW363 Employment Relations Law may not enrol in this unit for credit.

### Workplace Law (BUS228)

*As for BSL202 except:*

Credit Points: 4

DUBAI-ISC: TJD-internal, TSD-internal  
KAPLAN-SGP: TJA-internal, TMA-internal, TSA-internal  
SGP1: TJB-internal, TSB-internal

Prerequisites: BUS165 Principles of Commercial Law or BSL165 Foundations of Business Law

Exclusions: Students who have successfully completed BSL202 Workplace Law may not enrol in this unit for credit

### World of Sport (BRD210)

Credit Points: 3

MURDOCH: S1-internal, S1-external  
PEEL: S1-internal, S1-external

Drawing on perspectives from psychology, exercise science, pharmacology, sociology, media, ethics and business this unit requires students to consider current themes in sport. These include the limits of high performance sport, sport for mental and physical health, the values of participation and competition, and sport and Australian culture.

Students are encouraged to think critically and analyse a wide range of information and perspectives to better understand why sport has become an important facet of modern life.

Lectures: 1 hour per week; tutorials: 2 hours per week.

Prerequisites: Nil.

### World Religions (REL101)

Credit Points: 3

MURDOCH: S2-internal, S2-external

In this unit, the differences between spirituality and religion will be examined. The history, development and expression of several world religions will be explored through an analysis of different themes. These themes include concepts of the sacred, symbols, rituals, scriptures, worldviews and ethics.

Lectures: 1 hour per week; tutorials: 1 hour per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed THE282 World Religions may not enrol in this unit for credit.

### World Religions in Historical Encounter (REL306)

Credit Points: 3

Not available this year

This unit looks at periods of history when some of the world religions have encountered one another, with both constructive and destructive outcomes. The course will focus particularly on the three great monotheisms - Judaism, Christianity, and Islam- and with some attention to Hinduism. Encounters include that between Judaism and Christianity in the classical period; the Crusades; the intellectual and theological encounter between Islam, Judaism, and Christianity in the Twelfth Century; and the contest between Christianity, Islam, and Hinduism in India.

Lectures: 1 hour per week; tutorials: 1 hour per week.

Prerequisites: Nil.

### Worship and Liturgy (THE288)

Credit Points: 4

Not available this year

This unit includes a study of the phenomenon of worship and the theology and practice of Christian worship through the history of the Church up to the present day.

Prerequisites: Enrolment in BA (Theology) (B1113), BA (Theology) (Honours) (H1131) and B Theology (B1115). Highly recommended: THE107 Thinking Theology.

### Worship and Liturgy (THE615)

Credit Points: 3

Not available this year

This unit studies the theology and practice of Christian worship. It introduces the study of ritual and the use of ritual in religious settings.

Seminars: 2 hours per week.

Prerequisites: Enrolment in graduate level study.

### Writing Academic English (TLC121)

Credit Points: 3

MURDOCH: S1-internal, S2-internal

This unit will help you to develop the reading and writing skills that will enable you to effectively tackle university assignments. It is designed for students for whom English is an additional language, from all schools, and explores the process and basic elements of academic writing. In this unit, you will not only improve your accuracy in writing and build your academic vocabulary, but also develop your ability to think critically and to communicate complex ideas in English.

Seminars: 3 hours per week

Prerequisites: Nil.

Exclusions: Native English speakers are not permitted to enrol in this unit

This unit is only available to students whose first language is not English.

### **Writing and Creativity (EGL122)**

Credit Points: 3

MURDOCH: S2-internal, S2-external

This unit will teach students how to critically and imaginatively analyse and write texts. They will be exposed to some key concepts and techniques in relation to creativity and writing and introduced to ideas about content and form. Students will be given the opportunity to explore concepts in a practical way through the development of their own writing projects.

Lectures: up to 1 hour per week; workshops: 1.5 hours per week.

Prerequisites: Nil.

### **Writing for the Screen (SCR200)**

Credit Points: 3

MURDOCH: S1-internal

In this unit students learn about the formal elements of writing for the screen and develop a script for a short film in the genre of their choice. The unit will cover current industry standards and practice, with particular focus on writing according to funding criteria. It is recommended for students who wish to proceed to SCR201 Screen Production II and SCR320 Advanced Screen Production as scripts may be developed for production in these units.

Lectures: 1 hour per week; workshops: 2 hours per week.

Note: Lectures and workshops/tutorials commence in Week 1 of the semester.

Prerequisites: SCR101 Screen production 1 or MCC128 Screen Production I (TV Studio) (or MED107 Screen and Sound Production I (TV Studio) or MED107 Screen Production I (TV Studio) OR permission of the Unit Coordinator (subject to proven ability to write with words and images).

Exclusions: Students who have successfully completed MED312 Writing for the Screen or MCC353 Writing for the Screen may not enrol in this unit for credit.

### **Your Writing Tool-kit (KAC002)**

MURDOCH: S1-internal, S1-external, S2-internal, S2-external

This unit introduces students to the fundamentals of reading and writing at university. We explore a number of important issues that relate to modern Indigenous people(s) and explore their origins and influence through Larissa Behrendt's narrative Home.

Lectures: 1 hour per week; workshops: 3 hours per week.

Prerequisites: Enrolment in the K-Track course.

# Glossary

For definitions of words and phrases used in this Handbook, consult the University's Dictionary of Terms:

<http://goto.murdoch.edu.au/DictionaryOfTerms>

More detailed information on many of these topics can be found in the Study at Murdoch section of the Handbook.



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